



June 14, 2018

Mr. Perry Gaughan
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303

Subject: Removal Assessment Letter Report — FINAL
Patterson Street Solvent Plume – STAGE 2
Greensboro, Guilford County, North Carolina
Contract Number: EP-S4-14-03
TDD Number: TT-02-025

Dear Mr. Gaughan:

The Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) submits this report summarizing the removal assessment conducted March 7 and 8, 2018, at the Patterson Street Solvent Plume site in Greensboro, Guilford County, North Carolina. This report includes six enclosures and one attachment. Enclosure 1 contains figures depicting the site location and sample locations. Enclosure 2 contains a summary of laboratory analytical results. Enclosure 3 contains a photographic log of assessment activities. Enclosure 4 contains a copy of the Tetra Tech START logbook notes and field sheets. Enclosure 5 contains a table of witnesses. Enclosure 6 contains the Tetra Tech data validation report. Attachment 1 contains the laboratory data package.

BACKGROUND

As part of a multi-site investigation, the North Carolina Department of Environmental Quality (NCDEQ), through its Inactive Hazardous Sites Branch (IHSB) contractor, S&ME, conducted a multimedia assessment south of Patterson Street, around South Holden Road in Greensboro, North Carolina (see Figure 1 in Enclosure 1). The multi-site assessment was part of an effort by NCDEQ to examine old IHSB sites with the potential for vapor intrusion issues. Numerous past investigations have identified chlorinated solvents in groundwater in the area and in the unnamed tributary of South Buffalo Creek, which flows southward along the eastern side of the neighborhood (see Figure 2 in Enclosure 1). NCDEQ has identified numerous former and current industrial properties located along Patterson Street as potential sources.

In February 2016, S&ME advanced borings along a 4,800-foot east/west transect south of, and parallel to, Patterson Street. Eight sampling stations were established along the transect, and groundwater and soil gas samples were collected at each station. Because of the shallow groundwater table, S&ME was not able to obtain soil gas samples at the two easternmost stations.

Tetrachloroethene (PCE) and trichloroethene (TCE) were detected in both the soil gas and the groundwater sample at station #4 at levels exceeding applicable state guidance values. Sampling station #4 was located at a residence at 2838 Camborne Street. Subsequent indoor air and crawl space sampling conducted by S&ME confirmed elevated PCE and TCE levels in residences in the area.

Based on these findings, NCDEQ requested that the U.S. Environmental Protection Agency (EPA) Region 4 conduct a removal assessment at the Patterson Street Solvent (PSS) Site to assess the risk of chlorinated solvents to residences in the area. As a result, Tetra Tech, directed by EPA, conducted a removal assessment in the neighborhood surrounding sampling station #4 in October 2016. Tetra Tech collected groundwater, crawl space air, exterior soil gas, and surface water samples during this “Stage 1” investigation. Laboratory analysis identified PCE and TCE in each of the four media sampled at levels that exceeded EPA and NCDEQ comparison criteria.

To delineate the lateral extent of the affected area, EPA (with input from NCDEQ) developed an additional assessment plan to sample exterior soil gas in a wide radius, extending downgradient from the suspected contaminant source on Patterson Street. This report details the results of this additional assessment work (described as “Stage 2”).

Soil Gas Sampling

Twelve soil gas sampling locations were proposed (see Figure 2 in Enclosure 1):

- PSS-SG-01: Ray’s Self Storage at 31 Immanuel Road
- PSS-SG-02: West portion of the Academy of Spoiled Kids daycare at 2845 Camborne Street
- PSS-SG-03: Center portion of the Academy of Spoiled Kids daycare at 2845 Camborne Street
- PSS-SG-04: East portion of the Academy of Spoiled Kids daycare at 2845 Camborne Street
- PSS-SG-05: Front yard of private residence at 1434 Swan Street
- PSS-SG-06: Front yard of private residence at 1426 Swan Street
- PSS-SG-07: Front yard of private residence at 1301 Swan Street
- PSS-SG-08: Back yard of private residence at 1307 Swan Street
- PSS-SG-09: West portion of Amber Trace Apartments on West Florida Street
- PSS-SG-10: East portion of Amber Trace Apartments on West Florida Street
- PSS-SG-11: Back yard of private residence at 2834 Camborne Street
- PSS-SG-12: Deliverance Temple Worship Center at 2411 Binford Street

PSS-SG-11 was included at the request of NCDEQ as a “target of opportunity,” due to proximity to the investigation area. Chlorinated solvents were previously identified in soil during construction work at a parcel adjacent to the worship center, and NCDEQ requested that the worship center be sampled as part of this investigation.

Tetra Tech obtained soil gas samples with an AMS soil vapor probe kit. Sampling using the kit involves driving hollow rods to the desired subsurface depth. The rod contains a retractable screened tip attached to disposable Teflon-lined tubing that runs up through the hollow rods and is attached to a 6-liter stainless steel Summa canister with a 30-minute flow controller. The tubing was purged of no less than five times the interior volume of the tubing before sampling.

Soil gas samples were analyzed for volatile organic compounds (VOCs) by EPA SW-846 TO-15. Tetra Tech also collected one split sample (PSS-SG-03-SPLIT) from the eastern Academy of Spoiled Kids location.

All soil gas samples were collected in accordance with EPA Region 4 Science and Ecosystem Support Division Field Branch Quality System and Technical Procedures *Soil Gas Sampling*, May 2014 and the



NCDEQ Division of Waste Management *Vapor Intrusion Guidance*, March 2018. Enclosure 4 contains sample collection field sheets for the soil gas samples.

Tetra Tech was unable to collect soil gas samples at the following locations:

- PSS-SG-01: Saturated soil was encountered at 3 feet below ground surface (bgs), which is less than the 5-foot minimum allowed by NCDEQ guidance.
- PSS-SG-02: Saturated soil was encountered at 2 feet bgs, which is less than the 5-foot minimum allowed by NCDEQ guidance.
- PSS-SG-05: Moist clay was encountered throughout the entire shallow subsurface of the yard, which prevented collection of a soil gas sample.
- PSS-SG-09: Tetra Tech and EPA were unable to obtain an access agreement for the property.
- PSS-SG-10: Tetra Tech and EPA were unable to obtain an access agreement for the property.
- PSS-SG-11: Saturated soil was encountered at 1.5 feet bgs, which is less than the 5-foot minimum allowed by NCDEQ guidance.
- PSS-SG-12: Tetra Tech and EPA were unable to obtain an access agreement for the property.

It should be noted that nearly an inch of precipitation fell in the Greensboro area in the 48 hours prior to the sampling event. This may have contributed to the higher-than-expected water table with prevented the collection of samples at four of the sampling locations.

ANALYTICAL RESULTS

Tetra Tech submitted all soil gas samples via FedEx courier to ALS Environmental in Cincinnati, Ohio.

When the laboratory results were received, Tetra Tech performed a Level 2A data validation review (see Enclosure 6) of the data to assess quality and completeness. The review did not identify issues with the laboratory data and no rejection or qualification of data was required for this data package. Analytical results were then compared with the compound-specific target concentrations provided in the EPA Vapor Intrusion Screening Level (VISL) Calculator (https://epa-visl.ornl.gov/cgi-bin/visl_search) for exterior soil gas.

Of the five locations sampled, two contaminant concentrations exceeded EPA residential VISLs:

- Naphthalene was detected at 3.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in sample PSS-SG-04, collected from the eastern portion of the Academy of Spoiled Kids daycare; this result exceeds the EPA VISL of 2.8 $\mu\text{g}/\text{m}^3$.
- 1,3-Butadiene was detected a 5.11 $\mu\text{g}/\text{m}^3$ in sample PSS-SG-07, collected from the front yard of the residence at 1301 Swan Street; this result exceeds the EPA VISL of 3.1 $\mu\text{g}/\text{m}^3$.

No chlorinated compounds were detected in any of the samples at levels that exceeded EPA VISLs.

A complete summary of contaminant detections is provided in Table 1 of Enclosure 2. The laboratory data package is provided in Attachment 1.



Mr. P. Gaughan
June 14, 2018
Page 4

SUMMARY AND CONCLUSION

This Stage 2 investigation has shown that the chlorinated compound plume identified by S&ME in 2016 (and confirmed in Tetra Tech's Stage 1 investigation) is limited in its east/west lateral extent. The plume does not appear to extend west of South Holden Road or east of the north/south stretch of Swan Street. The southern (downgradient) extent of the plume cannot be identified without gaining access to properties south of Swan Street.

Additional assessment work is at the discretion of EPA, in consultation with NCDEQ.

If you have any questions or need additional copies of this report, please call me, John Snyder, at (678) 775-3085.

Sincerely,



John Snyder
Tetra Tech START IV Project Manager



Andrew F. Johnson
Tetra Tech START IV Program Manager

Enclosures (6)

Attachments (1)

cc: Katrina Jones, EPA Project Officer
 Angel Reed, Tetra Tech START IV Document Control Coordinator

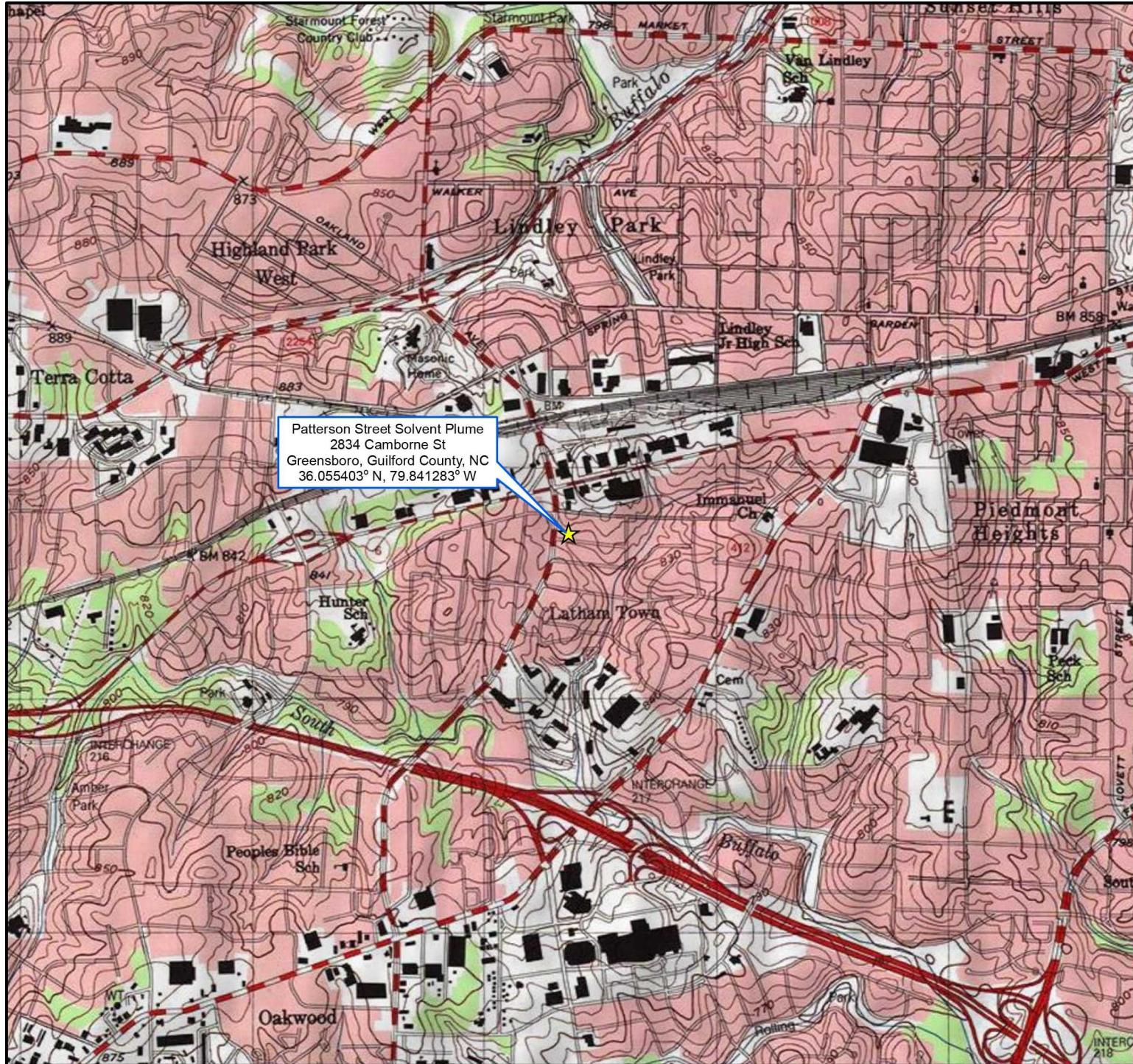


ENCLOSURE 1

FIGURES

(Two Pages)





Legend
★ Site Location



0 1,000 2,000
Feet

KY
 VA
 TN
 GA
 SC
 NORTH
 CAROLINA

United States
 Environmental Protection Agency
 Region 4

FIGURE 1 Site Location

TDD Name: Patterson Street Solvent Plume

TDD No.: TT-02-025

City: Greensboro
 County: Guilford
 State: North Carolina

Date:
 9/19/2016
 Analyst:
 dale.vonbusch

TETRA TECH

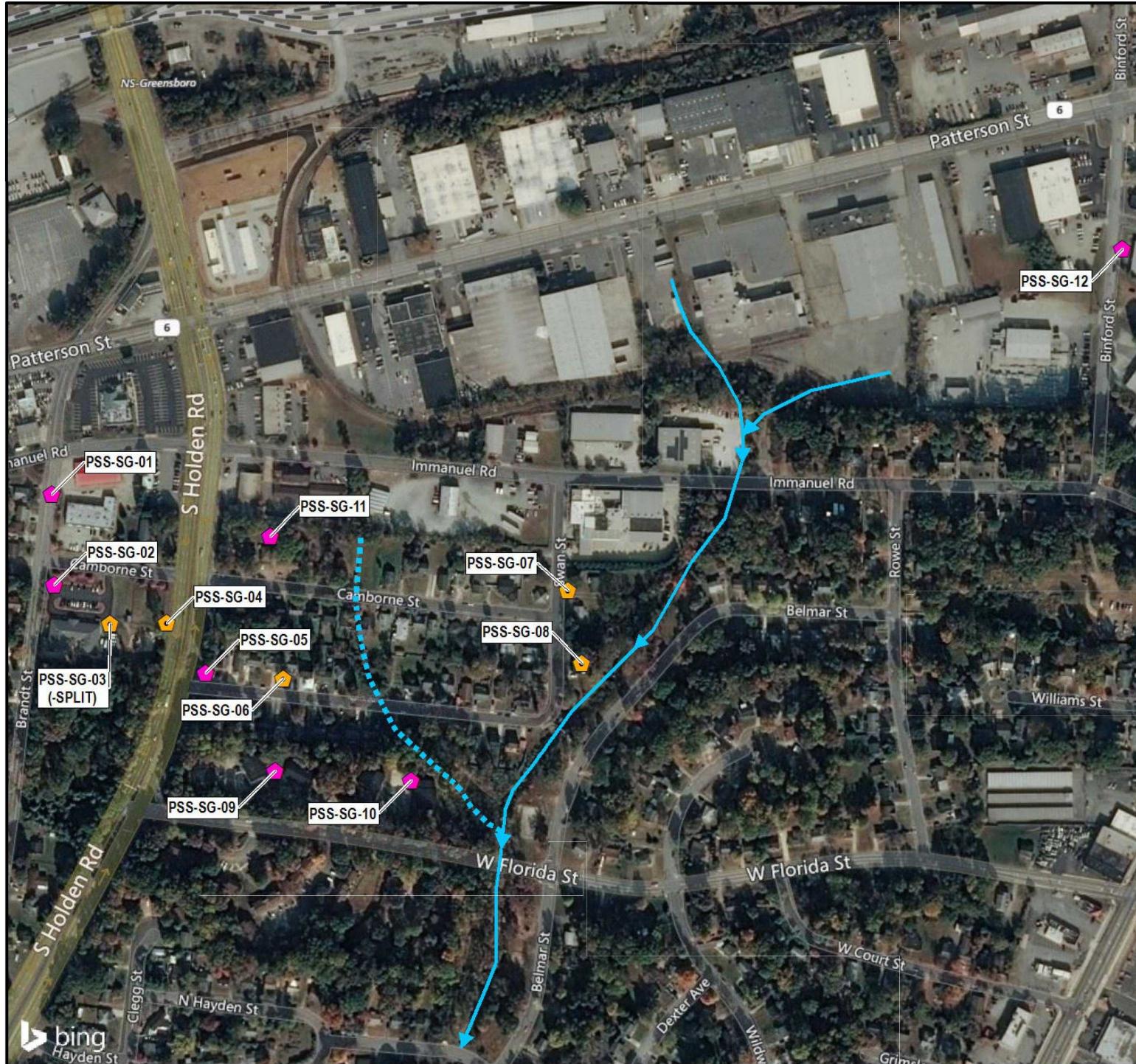


FIGURE 2

Soil Gas Sampling Locations

TDD Name: Patterson Street Solvent Plume

TDD No.: TT-02-025

City:
Greensboro

County:
Guilford

State:
North Carolina

Date:
4/2/2018
Analyst:
dale.vonbusch

TETRA TECH

ENCLOSURE 2
SUMMARY OF ANALYTICAL RESULTS
(One Page)



TABLE 1
PATTERSON STREET SOLVENT PLUME - STAGE 2
EXTERIOR SOIL GAS ANALYTICAL RESULTS

Analyte	EPA VISL Target Exterior Soil Gas Concentration	PSS-SG-03	PSS-SG-03-SPLIT	PSS-SG-04	PSS-SG-06	PSS-SG-07	PSS-SG-08
		60-62" bgs	60-62" bgs	60-62" bgs	60-62" bgs	60-62" bgs	60-62" bgs
Volatile Organic Compounds (µg/m³)							
1,2,4-Trimethylbenzene	2,100	17.6	18.4	19.6	16.3	18.4	9.54
1,3,5-Trimethylbenzene	2,100	3.93	4.08	4.47	3.74	4.38	2.46 U
1,3-Butadiene	3.1	1.11 U	1.11 U	1.11 U	1.11 U	5.11	1.11 U
2-Butanone	170,000	1.47 U	2.57	5.69	4.28	4.84	2.01
2-Propanol	7,000	2.46 U	2.46 U	3.49	4.92	4.52	2.46 U
4-Ethyltoluene	Not listed	3.59	4.13	4.08	3.93	4.33	2.46 U
Acetone	1,100,000	15	14.8	39.9	92.2	32.8	18.1
Benzene	12	1.6 U	1.6 U	1.69	4.19	3.29	2.78
Chloroform	4.1	1.81	1.76	0.976 U	0.976 U	0.976 U	0.976 U
Chloromethane	3,100	1.03 U	1.03 U	1.28	1.32	1.18	1.03 U
Dichlorodifluoromethane	3,500	2.47 U	2.47 U	2.47 U	2.47 U	2.47 U	3.61
Ethylbenzene	14,000	4.56	4.82	6.9	8.08	7.03	4.56
Heptane	14,000	2.05 U	2.05 U	3.36	6.27	4.18	4.3
Hexane	24,000	1.76 U	1.9	3.42	8.71	7.08	7.37
m,p-Xylene	3,500	22.2	23.1	32.3	36	32.4	20.2
Naphthalene	2.8	2.41	2.46	3.15	2.25	2.52	1.52
o-Xylene	3,500	9.47	9.9	13.5	9.86	13.5	6.82
Propene	100,000	0.861 U	0.861 U	0.861 U	5.21	25.3	0.861 U
Toluene	170,000	17.3	17.7	21.4	31.4	22.8	18.8
Trichlorofluoromethane	Not listed	2.81 U	2.81 U	2.81 U	2.81 U	2.81 U	3.26

Notes:

- EPA U.S. Environmental Protection Agency
 " bgs inches below ground surface
 µg/m³ Micrograms per cubic meter
 PSS Patterson Street Solvent Plume
 SG Soil gas sample
 U The analyte was analyzed for, but was not detected at or above the reporting limit.
 VISL EPA Vapor Intrusion Screening Level Calculator
Bold Bold values are chemical detections
Shaded Shaded values exceed the EPA Residential Exterior Soil Gas-to-Indoor Air Screening Level

TT-02-025

Patterson Street Solvent Plume – STAGE 2
 Removal Assessment Letter Report

ENCLOSURE 3
PHOTOGRAPHIC LOG OF ASSESSMENT ACTIVITIES
(Seven Pages)





OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 2845 Camborne Street, Greensboro,
n: Guildford County, North Carolina

Orientation: North

Date: March 7, 2018

Photographer: Geoie Krull, Tetra Tech
Superfund Technical Assessment
and Response Team (START)

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech attempted to collect a soil gas sample from location PSS-SG-02 at the Spoiled Kids Academy daycare. However, saturated soil was encountered at 2 feet below ground surface (bgs). Due to North Carolina Department of Environmental Quality (NCDEQ) guidance requiring a minimum depth of 5-feet bgs, Tetra Tech was unable to obtain a sample from this location.



OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 2845 Camborne Street, Greensboro,
Guildford County, North Carolina

Orientation: North

Date: March 7, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech collected soil gas samples PSS-SG-03 and PSS-SG-03-SPLIT from the central portion of the Spoiled Kids Academy daycare center.



OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 2845 Camborne Street, Greensboro,
Guildford County, North Carolina

Orientation: South

Date: March 7, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech collected soil gas sample PSS-SG-04 from the Spoiled Kids Academy daycare property, along South Holden Road.



**OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY**

TDD Number: TT-02-025

Location: 1301 Swan Street, Greensboro,
Guildford County, North Carolina

Orientation: East

Date: March 7, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech collected soil gas sample PSS-SG-07 from the front yard of the residence at 1301 Swan Street.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 1307 Swan Street, Greensboro,
Guildford County, North Carolina

Orientation: South

Date: March 8, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech collected soil gas sample PSS-SG-08 from the side yard of the residence at 1307 Swan Street.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 1426 Swan Street, Greensboro,
Guildford County, North Carolina

Orientation: Northeast

Date: March 8, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech collected soil gas sample PSS-SG-06 from the front yard of the residence at 1426 Swan Street.



OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-02-025

Location: 1434 Swan Street, Greensboro,
Guildford County, North Carolina

Orientation: Northeast

Date: March 8, 2018

Photographer: Geoie Krull, Tetra Tech
START

Witness: John Snyder, Tetra Tech START

Subject: Tetra Tech attempted to collect soil gas sample PSS-SG-05 from the front yard of the residence at 1434 Swan Street. Moist clay was encountered throughout the front yard, which prevented collection of a sample.

ENCLOSURE 4
TETRA TECH START LOGBOOK AND FIELD NOTES
(Five Pages)



TDD No. TT-02-025
Patterson Street Solvent Plume – STAGE 2
Removal Assessment Letter Report

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Stage 2



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Nº 371FX

TT-02-025
Greensboro, NC

Logbook 1 of 1

**TETRA TECH**

John Snyder, PG
Environmental Engineer

1955 Evergreen Boulevard, Building 200, Suite 300, Duluth, GA 30096
Tel +1.678.775.3085 Cell +1.770.402.9013 Fax +1.678.775.3138
john.snyder@tetrtech.com tetrtech.com

Name _____

Address _____

Phone _____

Project _____



RiteintheRain.com

CONTENTS

PAGE	REFERENCE	DATE
1	John Snyder - TT site manager 770-402-9013	
	Perry Gaughan - EPA task monitor 404-909-2930	
	All work described herein conducted in accordance w/ EPA SESD FBQSTPs, unless otherwise noted	

3/7/18

1000 - TT Snyder on site. Check on Florida St Apt. + Bradford Church to obtain access
 - Unable to reach anyone

- Move to Rays Storage

1050 - TT Knoll on site, began setting up equipment

1200 - Unable to collect soil/gas sample @ Rays Storage. Saturated soil encountered @ 3' bgs

1300 - Move to daycare. Setup in NW corner. (location 02)

1345 - Unable to collect sample @ 02. groundwater encounter @ < 2' bgs.

1400 - Move to NE corner of daycare driveway (location 03). *ALL SAMPLING conducted w/ AMS Soil/Gas sampling kit.

1507 - Collect PSS-SG-03 + PSS-SG-03-SPLIT from 5' bgs

1558 - Collect PSS-SG-04 from Daycare, along Holden St @ 5' bgs

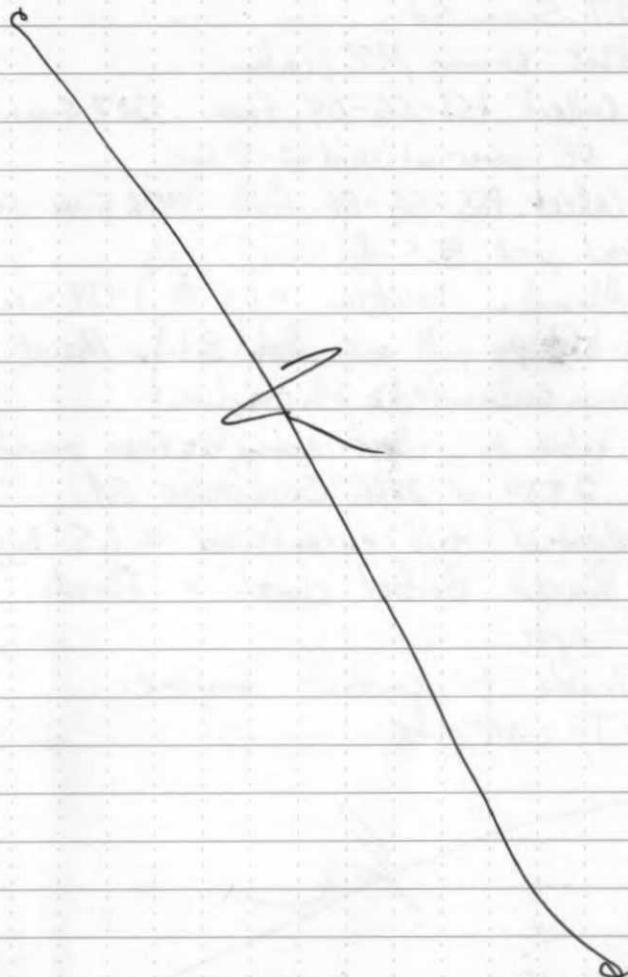
1615 - Setup on 1209 Swan St

1659 - Collect PSS-SG-07 from front yard of 1209 Swan St @ 5' bgs.

Scale: 1 square = _____

3/7/18 cont'd

1520 - TT offsite



Scale: 1 square = _____

Rite in the Rain

3/8/18

820 - TT Snyder + Knoll on site @

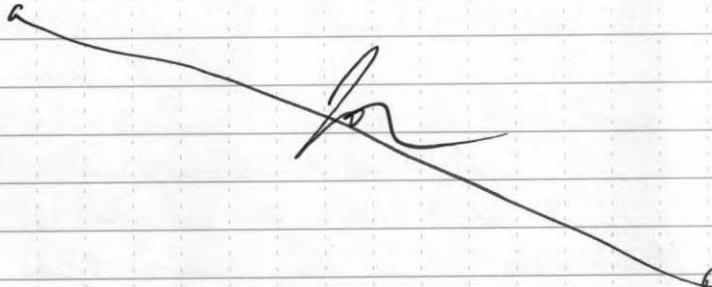
1307 Swan St

Weather: sunny, 40°, calm

0904 - Collect PSS-SG-09 from 1307 Swan
St, NE corner of yard @ 5' bgs1010 - Collect PSS-SG-06 from 1426 Swan St
Front yard, @ 5' bgs1100 - Abandon location #05 @ 1434 Swan.
Unable to pull air from soil. Moist
clay encountered throughout.1120 - Unable to collect sample from anyone
on 2834 or 2836 Camborne St.Saturated soil encountered \approx 1.5' bgs1130 - Revisit Bmford church + Florida
St apts.

- Unable to contact anyone.

1200 - TT offsite



Scale: 1 square = _____

End of
fieldwork

4/2/18

Scale: 1 square = _____

Rite in the Rain.



TETRA TECH

Summa Canister Sampling Field Sheet

Project: Patterson St

Project #: TT-02-025

Sampler: Snyder

Location: Greensboro, NC

Sample Name	Location Description	Leak Test Performed (Y/N)	Summa		Regulator		Sample Start			Sample End		
			Size	ID	Setting	ID	Date	Time	Pressure	Date	Time	Pressure
PSS-SG-02	NW corner of Spur/old kids	Shut in	6L	109993	30 mm	109128	3/7/18	1328	-30 mHg	Scrapped		
PSS-SG-03	NE corner of	Shut in	6L	109135	30 mm	119233	3/7/18	1414	-30	3/7/18	1507	-6
PSS-SG-05	RT Daycare	Shut in	6L	109153	30 mm	119233	3/7/18	1411	-30	3/7/18	1507	-6
PSS-SG-04	Daycare, along Holden	Shut in	6L	109481	30 mm	109847	3/7/18	1522	-30	3/7/18	1558	-7
PSS-SG-07	1209 Swan, front yard	Shut in	6L	109200	30 mm	119230	3/7/18	1623	-30	3/7/18	1659	-6
PSS-SG-08	1307 Swan, NE corner	Shut in	6L	109974	30mm	109844	3/8/18	935	-28	3/8/18	904	-6
PSS-SG-06	1426 Swan, Frontyard west	Shut in	6L	107284	30 mm	109864	3/8/18	928	-30	3/8/18	1010	-8
PSS-SG-05	1434 Swan, West side	Shut in	6L	109998	30 min	119227	3/8/18	1027	-30	Scrapped		

ENCLOSURE 5
TABLE OF WITNESSES
(One Page)



TABLE OF WITNESSES
PATTERSON STREET SOLVENT PLUME
GREENSBORO, GUILDFORD COUNTY, NORTH CAROLINA

Mr. Perry Gaughan
On-Scene Coordinator
U.S. Environmental Protection Agency (EPA), Region 4
61 Forsyth Street, SW
Atlanta, GA 30303
Telephone No.: (404) 562-8817

Mr. John Snyder, PG, PE
Superfund Technical Assessment and Response Team (START)
Tetra Tech, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096
Telephone No.: (678) 775-3085

Mr. Geoie Krull
START
Tetra Tech, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096
Telephone No.: (678) 775-3138



ENCLOSURE 6
TETRA TECH DATA VALIDATION REPORT
(20 Sheets)

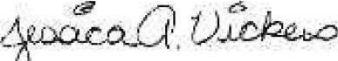


TDD No. TT-02-025
Patterson Street Solvent Plume – STAGE 2
Removal Assessment Letter Report



DATA VALIDATION CHECKLIST – STAGE 2A

(Page 1 of 4)

Site Name	Patterson Street Solvent Plume	Project No.	TT-02-025
Data Reviewer (signature and date)	 Shanna Davis March 27, 2018	Technical Reviewer (signature and date)	 Jessica A. Vickers March 28, 2018
Laboratory Report No.	1803414	Laboratory	ALS Environmental
Analyses	Volatile organic compounds (VOCs) by EPA TO15		
Samples	PSS-SG-03, PSS-SG-04, PSS-SG-06, PSS-SG-07, and PSS-SG-08		
Field Duplicate Pairs	PSS-SG-03/PSS-SG-03-SPLIT		

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (January 2017) data validation guidance document, as well as the above referenced method.

OVERALL EVALUATION:

No rejection or qualification of data was required for this data package. The data can be used with the qualifications indicated in this checklist.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	



DATA VALIDATION CHECKLIST – STAGE 2A

(Page 2 of 4)

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
Y	

MS/MSD:

Within Criteria	Exceedance/Notes
NA	

Post digestion spikes:

Within Criteria	Exceedance/Notes
NA	



DATA VALIDATION CHECKLIST – STAGE 2A

(Page 3 of 4)

Serial dilutions:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
Y	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	10x: acetone for PSG-SS-06



DATA VALIDATION CHECKLIST – STAGE 2A

(Page 4 of 4)

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RRLs:

Within Criteria	Exceedance/Notes
Y	All results were either non-detect or above the reporting limit.

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03	1,1,1-Trichloroethane	ND	J	2.73	µg/m3	2.73	U
PSS-SG-03	1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	3.43	U
PSS-SG-03	1,1,2-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-03	1,1-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-03	1,1-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03	1,2,4-Trichlorobenzene	ND		3.71	µg/m3	3.71	U
PSS-SG-03	1,2,4-Trimethylbenzene	17.6		2.46	µg/m3	17.6	
PSS-SG-03	1,2-Dibromoethane	ND		3.84	µg/m3	3.84	U
PSS-SG-03	1,2-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03	1,2-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-03	1,2-Dichloropropane	ND		2.31	µg/m3	2.31	U
PSS-SG-03	1,3,5-Trimethylbenzene	3.93		2.46	µg/m3	3.93	
PSS-SG-03	1,3-Butadiene	ND		1.11	µg/m3	1.11	U
PSS-SG-03	1,3-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03	1,4-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03	1,4-Dioxane	ND		3.60	µg/m3	3.60	U
PSS-SG-03	2-Butanone	ND		1.47	µg/m3	1.47	U
PSS-SG-03	2-Hexanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-03	2-Propanol	ND		2.46	µg/m3	2.46	U
PSS-SG-03	4-Ethyltoluene	3.59		2.46	µg/m3	3.59	
PSS-SG-03	4-Methyl-2-pentanone	ND		4.10	µg/m3	4.10	U
PSS-SG-03	Acetone	15.0		2.38	µg/m3	15.0	
PSS-SG-03	Benzene	ND	J	1.60	µg/m3	1.60	U
PSS-SG-03	Benzyl chloride	ND		2.59	µg/m3	2.59	U
PSS-SG-03	Bromodichloromethane	ND		3.35	µg/m3	3.35	U
PSS-SG-03	Bromoform	ND		5.17	µg/m3	5.17	U
PSS-SG-03	Bromomethane	ND		1.94	µg/m3	1.94	U
PSS-SG-03	Carbon disulfide	ND		1.56	µg/m3	1.56	U
PSS-SG-03	Carbon tetrachloride	ND		3.15	µg/m3	3.15	U
PSS-SG-03	Chlorobenzene	ND		2.30	µg/m3	2.30	U
PSS-SG-03	Chloroethane	ND		1.32	µg/m3	1.32	U
PSS-SG-03	Chloroform	1.81		0.976	µg/m3	1.81	
PSS-SG-03	Chloromethane	ND		1.03	µg/m3	1.03	U
PSS-SG-03	cis-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03	cis-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-03	Cumene	ND		2.46	µg/m3	2.46	U
PSS-SG-03	Cyclohexane	ND	J	1.72	µg/m3	1.72	U
PSS-SG-03	Dibromochloromethane	ND		4.26	µg/m3	4.26	U
PSS-SG-03	Dichlorodifluoromethane	ND	J	2.47	µg/m3	2.47	U
PSS-SG-03	Ethyl acetate	ND		1.80	µg/m3	1.80	U
PSS-SG-03	Ethylbenzene	4.56		2.17	µg/m3	4.56	
PSS-SG-03	Freon 113	ND		3.83	µg/m3	3.83	U
PSS-SG-03	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-03	Heptane	ND	J	2.05	µg/m3	2.05	U
PSS-SG-03	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-03	Hexane	ND	J	1.76	µg/m3	1.76	U
PSS-SG-03	m,p-Xylene	22.2		2.17	µg/m3	22.2	
PSS-SG-03	Methylene chloride	ND		3.47	µg/m3	3.47	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-03	Naphthalene	2.41		1.05	µg/m3	2.41	
PSS-SG-03	o-Xylene	9.47		2.17	µg/m3	9.47	
PSS-SG-03	Propene	ND		0.861	µg/m3	0.861	U
PSS-SG-03	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-03	Tetrachloroethene	ND	J	3.39	µg/m3	3.39	U
PSS-SG-03	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-03	Toluene	17.3		1.88	µg/m3	17.3	
PSS-SG-03	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03	trans-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-03	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-03	Trichlorofluoromethane	ND	J	2.81	µg/m3	2.81	U
PSS-SG-03	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-03	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-03	1,1,1-Trichloroethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,2,4-Trimethylbenzene	3.6		0.50	ppbv	3.6	
PSS-SG-03	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,3,5-Trimethylbenzene	0.80		0.50	ppbv	0.80	
PSS-SG-03	1,3-Butadiene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-03	2-Butanone	ND		0.50	ppbv	0.50	U
PSS-SG-03	2-Hexanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-03	2-Propanol	ND		1.0	ppbv	1.0	U
PSS-SG-03	4-Ethyltoluene	0.73		0.50	ppbv	0.73	
PSS-SG-03	4-Methyl-2-pentanone	ND		1.0	ppbv	1.0	U
PSS-SG-03	Acetone	6.3		1.0	ppbv	6.3	
PSS-SG-03	Benzene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-03	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	Bromoform	ND		0.50	ppbv	0.50	U
PSS-SG-03	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	Carbon disulfide	ND		0.50	ppbv	0.50	U
PSS-SG-03	Carbon tetrachloride	ND		0.50	ppbv	0.50	U
PSS-SG-03	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	Chloroform	0.37		0.20	ppbv	0.37	
PSS-SG-03	Chloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Cumene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Dibromochloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-03	Dichlorodifluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-03	Ethylbenzene	1.0		0.50	ppbv	1.0	
PSS-SG-03	Freon 113	ND		0.50	ppbv	0.50	U
PSS-SG-03	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-03	Heptane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Hexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	m,p-Xylene	5.1		0.50	ppbv	5.1	
PSS-SG-03	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-03	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-03	Naphthalene	0.46		0.20	ppbv	0.46	
PSS-SG-03	o-Xylene	2.2		0.50	ppbv	2.2	
PSS-SG-03	Propene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Tetrachloroethene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-03	Toluene	4.6		0.50	ppbv	4.6	
PSS-SG-03	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-03	trans-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-03	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-03	Trichlorofluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-03	Vinyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,1,1-Trichloroethane	ND	J	2.73	µg/m3	2.73	U
PSS-SG-03-SPLIT	1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	3.43	U
PSS-SG-03-SPLIT	1,1,2-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-03-SPLIT	1,1-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-03-SPLIT	1,1-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03-SPLIT	1,2,4-Trichlorobenzene	ND		3.71	µg/m3	3.71	U
PSS-SG-03-SPLIT	1,2,4-Trimethylbenzene	18.4		2.46	µg/m3	18.4	
PSS-SG-03-SPLIT	1,2-Dibromoethane	ND		3.84	µg/m3	3.84	U
PSS-SG-03-SPLIT	1,2-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03-SPLIT	1,2-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-03-SPLIT	1,2-Dichloropropane	ND		2.31	µg/m3	2.31	U
PSS-SG-03-SPLIT	1,3,5-Trimethylbenzene	4.08		2.46	µg/m3	4.08	
PSS-SG-03-SPLIT	1,3-Butadiene	ND		1.11	µg/m3	1.11	U
PSS-SG-03-SPLIT	1,3-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03-SPLIT	1,4-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-03-SPLIT	1,4-Dioxane	ND		3.60	µg/m3	3.60	U
PSS-SG-03-SPLIT	2-Butanone	2.57		1.47	µg/m3	2.57	
PSS-SG-03-SPLIT	2-Hexanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-03-SPLIT	2-Propanol	ND		2.46	µg/m3	2.46	U
PSS-SG-03-SPLIT	4-Ethyltoluene	4.13		2.46	µg/m3	4.13	

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03-SPLIT	4-Methyl-2-pentanone	ND		4.10	µg/m3	4.10	U
PSS-SG-03-SPLIT	Acetone	14.8		2.38	µg/m3	14.8	
PSS-SG-03-SPLIT	Benzene	ND	J	1.60	µg/m3	1.60	U
PSS-SG-03-SPLIT	Benzyl chloride	ND		2.59	µg/m3	2.59	U
PSS-SG-03-SPLIT	Bromodichloromethane	ND		3.35	µg/m3	3.35	U
PSS-SG-03-SPLIT	Bromoform	ND		5.17	µg/m3	5.17	U
PSS-SG-03-SPLIT	Bromomethane	ND		1.94	µg/m3	1.94	U
PSS-SG-03-SPLIT	Carbon disulfide	ND		1.56	µg/m3	1.56	U
PSS-SG-03-SPLIT	Carbon tetrachloride	ND		3.15	µg/m3	3.15	U
PSS-SG-03-SPLIT	Chlorobenzene	ND		2.30	µg/m3	2.30	U
PSS-SG-03-SPLIT	Chloroethane	ND		1.32	µg/m3	1.32	U
PSS-SG-03-SPLIT	Chloroform	1.76		0.976	µg/m3	1.76	
PSS-SG-03-SPLIT	Chloromethane	ND		1.03	µg/m3	1.03	U
PSS-SG-03-SPLIT	cis-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03-SPLIT	cis-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-03-SPLIT	Cumene	ND	J	2.46	µg/m3	2.46	U
PSS-SG-03-SPLIT	Cyclohexane	ND	J	1.72	µg/m3	1.72	U
PSS-SG-03-SPLIT	Dibromochloromethane	ND		4.26	µg/m3	4.26	U
PSS-SG-03-SPLIT	Dichlorodifluoromethane	ND	J	2.47	µg/m3	2.47	U
PSS-SG-03-SPLIT	Ethyl acetate	ND		1.80	µg/m3	1.80	U
PSS-SG-03-SPLIT	Ethylbenzene	4.82		2.17	µg/m3	4.82	
PSS-SG-03-SPLIT	Freon 113	ND	J	3.83	µg/m3	3.83	U
PSS-SG-03-SPLIT	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-03-SPLIT	Heptane	ND	J	2.05	µg/m3	2.05	U
PSS-SG-03-SPLIT	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-03-SPLIT	Hexane	1.90		1.76	µg/m3	1.90	
PSS-SG-03-SPLIT	m,p-Xylene	23.1		2.17	µg/m3	23.1	
PSS-SG-03-SPLIT	Methylene chloride	ND		3.47	µg/m3	3.47	U
PSS-SG-03-SPLIT	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-03-SPLIT	Naphthalene	2.46		1.05	µg/m3	2.46	
PSS-SG-03-SPLIT	o-Xylene	9.90		2.17	µg/m3	9.90	
PSS-SG-03-SPLIT	Propene	ND		0.861	µg/m3	0.861	U
PSS-SG-03-SPLIT	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-03-SPLIT	Tetrachloroethene	ND	J	3.39	µg/m3	3.39	U
PSS-SG-03-SPLIT	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-03-SPLIT	Toluene	17.7		1.88	µg/m3	17.7	
PSS-SG-03-SPLIT	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-03-SPLIT	trans-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-03-SPLIT	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-03-SPLIT	Trichlorofluoromethane	ND	J	2.81	µg/m3	2.81	U
PSS-SG-03-SPLIT	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-03-SPLIT	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-03-SPLIT	1,1,1-Trichloroethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03-SPLIT	1,2,4-Trimethylbenzene	3.7		0.50	ppbv	3.7	
PSS-SG-03-SPLIT	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,3,5-Trimethylbenzene	0.83		0.50	ppbv	0.83	
PSS-SG-03-SPLIT	1,3-Butadiene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-03-SPLIT	2-Butanone	0.87		0.50	ppbv	0.87	
PSS-SG-03-SPLIT	2-Hexanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-03-SPLIT	2-Propanol	ND		1.0	ppbv	1.0	U
PSS-SG-03-SPLIT	4-Ethyltoluene	0.84		0.50	ppbv	0.84	
PSS-SG-03-SPLIT	4-Methyl-2-pentanone	ND		1.0	ppbv	1.0	U
PSS-SG-03-SPLIT	Acetone	6.2		1.0	ppbv	6.2	
PSS-SG-03-SPLIT	Benzene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Bromoform	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Carbon disulfide	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Carbon tetrachloride	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Chloroform	0.36		0.20	ppbv	0.36	
PSS-SG-03-SPLIT	Chloromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Cumene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Dibromochloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Dichlorodifluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Ethylbenzene	1.1		0.50	ppbv	1.1	
PSS-SG-03-SPLIT	Freon 113	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Heptane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Hexane	0.54		0.50	ppbv	0.54	
PSS-SG-03-SPLIT	m,p-Xylene	5.3		0.50	ppbv	5.3	
PSS-SG-03-SPLIT	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-03-SPLIT	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Naphthalene	0.47		0.20	ppbv	0.47	
PSS-SG-03-SPLIT	o-Xylene	2.3		0.50	ppbv	2.3	
PSS-SG-03-SPLIT	Propene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Tetrachloroethene	ND	J	0.50	ppbv	0.50	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-03-SPLIT	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Toluene	4.7		0.50	ppbv	4.7	
PSS-SG-03-SPLIT	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	trans-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-03-SPLIT	Trichlorofluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-03-SPLIT	Vinyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,1,1-Trichloroethane	ND		2.73	µg/m³	2.73	U
PSS-SG-04	1,1,2,2-Tetrachloroethane	ND	J	3.43	µg/m³	3.43	U
PSS-SG-04	1,1,2-Trichloroethane	ND		2.73	µg/m³	2.73	U
PSS-SG-04	1,1-Dichloroethane	ND		2.02	µg/m³	2.02	U
PSS-SG-04	1,1-Dichloroethene	ND		1.98	µg/m³	1.98	U
PSS-SG-04	1,2,4-Trichlorobenzene	ND		3.71	µg/m³	3.71	U
PSS-SG-04	1,2,4-Trimethylbenzene	19.6		2.46	µg/m³	19.6	
PSS-SG-04	1,2-Dibromoethane	ND		3.84	µg/m³	3.84	U
PSS-SG-04	1,2-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-04	1,2-Dichloroethane	ND		2.02	µg/m³	2.02	U
PSS-SG-04	1,2-Dichloropropane	ND		2.31	µg/m³	2.31	U
PSS-SG-04	1,3,5-Trimethylbenzene	4.47		2.46	µg/m³	4.47	
PSS-SG-04	1,3-Butadiene	ND		1.11	µg/m³	1.11	U
PSS-SG-04	1,3-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-04	1,4-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-04	1,4-Dioxane	ND		3.60	µg/m³	3.60	U
PSS-SG-04	2-Butanone	5.69		1.47	µg/m³	5.69	
PSS-SG-04	2-Hexanone	ND	J	4.10	µg/m³	4.10	U
PSS-SG-04	2-Propanol	3.49		2.46	µg/m³	3.49	
PSS-SG-04	4-Ethyltoluene	4.08		2.46	µg/m³	4.08	
PSS-SG-04	4-Methyl-2-pentanone	ND	J	4.10	µg/m³	4.10	U
PSS-SG-04	Acetone	39.9		2.38	µg/m³	39.9	
PSS-SG-04	Benzene	1.69		1.60	µg/m³	1.69	
PSS-SG-04	Benzyl chloride	ND		2.59	µg/m³	2.59	U
PSS-SG-04	Bromodichloromethane	ND		3.35	µg/m³	3.35	U
PSS-SG-04	Bromoform	ND		5.17	µg/m³	5.17	U
PSS-SG-04	Bromomethane	ND		1.94	µg/m³	1.94	U
PSS-SG-04	Carbon disulfide	ND	J	1.56	µg/m³	1.56	U
PSS-SG-04	Carbon tetrachloride	ND	J	3.15	µg/m³	3.15	U
PSS-SG-04	Chlorobenzene	ND		2.30	µg/m³	2.30	U
PSS-SG-04	Chloroethane	ND		1.32	µg/m³	1.32	U
PSS-SG-04	Chloroform	ND		0.976	µg/m³	0.976	U
PSS-SG-04	Chloromethane	1.28		1.03	µg/m³	1.28	
PSS-SG-04	cis-1,2-Dichloroethene	ND		1.98	µg/m³	1.98	U
PSS-SG-04	cis-1,3-Dichloropropene	ND		2.27	µg/m³	2.27	U
PSS-SG-04	Cumene	ND		2.46	µg/m³	2.46	U
PSS-SG-04	Cyclohexane	ND	J	1.72	µg/m³	1.72	U
PSS-SG-04	Dibromochloromethane	ND		4.26	µg/m³	4.26	U
PSS-SG-04	Dichlorodifluoromethane	ND	J	2.47	µg/m³	2.47	U
PSS-SG-04	Ethyl acetate	ND		1.80	µg/m³	1.80	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-04	Ethylbenzene	6.90		2.17	µg/m3	6.90	
PSS-SG-04	Freon 113	ND		3.83	µg/m3	3.83	U
PSS-SG-04	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-04	Heptane	3.36		2.05	µg/m3	3.36	
PSS-SG-04	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-04	Hexane	3.42		1.76	µg/m3	3.42	
PSS-SG-04	m,p-Xylene	32.3		2.17	µg/m3	32.3	
PSS-SG-04	Methylene chloride	ND		3.47	µg/m3	3.47	U
PSS-SG-04	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-04	Naphthalene	3.15		1.05	µg/m3	3.15	
PSS-SG-04	o-Xylene	13.5		2.17	µg/m3	13.5	
PSS-SG-04	Propene	ND		0.861	µg/m3	0.861	U
PSS-SG-04	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-04	Tetrachloroethene	ND	J	3.39	µg/m3	3.39	U
PSS-SG-04	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-04	Toluene	21.4		1.88	µg/m3	21.4	
PSS-SG-04	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-04	trans-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-04	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-04	Trichlorofluoromethane	ND	J	2.81	µg/m3	2.81	U
PSS-SG-04	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-04	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-04	1,1,1-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,1,2,2-Tetrachloroethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,2,4-Trimethylbenzene	4.0		0.50	ppbv	4.0	
PSS-SG-04	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,3,5-Trimethylbenzene	0.91		0.50	ppbv	0.91	
PSS-SG-04	1,3-Butadiene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-04	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-04	2-Butanone	1.9		0.50	ppbv	1.9	
PSS-SG-04	2-Hexanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-04	2-Propanol	1.4		1.0	ppbv	1.4	
PSS-SG-04	4-Ethyltoluene	0.83		0.50	ppbv	0.83	
PSS-SG-04	4-Methyl-2-pentanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-04	Acetone	17		1.0	ppbv	17	
PSS-SG-04	Benzene	0.53		0.50	ppbv	0.53	
PSS-SG-04	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-04	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	Bromoform	ND		0.50	ppbv	0.50	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-04	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	Carbon disulfide	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Carbon tetrachloride	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	Chloroform	ND		0.20	ppbv	0.20	U
PSS-SG-04	Chloromethane	0.62		0.50	ppbv	0.62	
PSS-SG-04	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-04	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Cumene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Dibromochloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-04	Dichlorodifluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-04	Ethylbenzene	1.6		0.50	ppbv	1.6	
PSS-SG-04	Freon 113	ND		0.50	ppbv	0.50	U
PSS-SG-04	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-04	Heptane	0.82		0.50	ppbv	0.82	
PSS-SG-04	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Hexane	0.97		0.50	ppbv	0.97	
PSS-SG-04	m,p-Xylene	7.4		0.50	ppbv	7.4	
PSS-SG-04	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-04	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-04	Naphthalene	0.60		0.20	ppbv	0.60	
PSS-SG-04	o-Xylene	3.1		0.50	ppbv	3.1	
PSS-SG-04	Propene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Tetrachloroethene	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-04	Toluene	5.7		0.50	ppbv	5.7	
PSS-SG-04	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-04	trans-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-04	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-04	Trichlorofluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-04	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-04	Vinyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,1,1-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-06	1,1,2,2-Tetrachloroethane	ND	J	3.43	µg/m3	3.43	U
PSS-SG-06	1,1,2-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-06	1,1-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-06	1,1-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-06	1,2,4-Trichlorobenzene	ND		3.71	µg/m3	3.71	U
PSS-SG-06	1,2,4-Trimethylbenzene	16.3		2.46	µg/m3	16.3	
PSS-SG-06	1,2-Dibromoethane	ND		3.84	µg/m3	3.84	U
PSS-SG-06	1,2-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-06	1,2-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-06	1,2-Dichloropropane	ND		2.31	µg/m3	2.31	U
PSS-SG-06	1,3,5-Trimethylbenzene	3.74		2.46	µg/m3	3.74	

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-06	1,3-Butadiene	ND		1.11	µg/m3	1.11	U
PSS-SG-06	1,3-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-06	1,4-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-06	1,4-Dioxane	ND		3.60	µg/m3	3.60	U
PSS-SG-06	2-Butanone	4.28		1.47	µg/m3	4.28	
PSS-SG-06	2-Hexanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-06	2-Propanol	4.92		2.46	µg/m3	4.92	
PSS-SG-06	4-Ethyltoluene	3.93		2.46	µg/m3	3.93	
PSS-SG-06	4-Methyl-2-pentanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-06	Acetone	92.2		23.8	µg/m3	92.2	
PSS-SG-06	Benzene	4.19		1.60	µg/m3	4.19	
PSS-SG-06	Benzyl chloride	ND		2.59	µg/m3	2.59	U
PSS-SG-06	Bromodichloromethane	ND		3.35	µg/m3	3.35	U
PSS-SG-06	Bromoform	ND		5.17	µg/m3	5.17	U
PSS-SG-06	Bromomethane	ND		1.94	µg/m3	1.94	U
PSS-SG-06	Carbon disulfide	ND	J	1.56	µg/m3	1.56	U
PSS-SG-06	Carbon tetrachloride	ND	J	3.15	µg/m3	3.15	U
PSS-SG-06	Chlorobenzene	ND		2.30	µg/m3	2.30	U
PSS-SG-06	Chloroethane	ND		1.32	µg/m3	1.32	U
PSS-SG-06	Chloroform	ND		0.976	µg/m3	0.976	U
PSS-SG-06	Chloromethane	1.32		1.03	µg/m3	1.32	
PSS-SG-06	cis-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-06	cis-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-06	Cumene	ND	J	2.46	µg/m3	2.46	U
PSS-SG-06	Cyclohexane	ND	J	1.72	µg/m3	1.72	U
PSS-SG-06	Dibromochloromethane	ND		4.26	µg/m3	4.26	U
PSS-SG-06	Dichlorodifluoromethane	ND	J	2.47	µg/m3	2.47	U
PSS-SG-06	Ethyl acetate	ND		1.80	µg/m3	1.80	U
PSS-SG-06	Ethylbenzene	8.08		2.17	µg/m3	8.08	
PSS-SG-06	Freon 113	ND		3.83	µg/m3	3.83	U
PSS-SG-06	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-06	Heptane	6.27		2.05	µg/m3	6.27	
PSS-SG-06	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-06	Hexane	8.71		1.76	µg/m3	8.71	
PSS-SG-06	m,p-Xylene	36.0		2.17	µg/m3	36.0	
PSS-SG-06	Methylene chloride	ND		3.47	µg/m3	3.47	U
PSS-SG-06	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-06	Naphthalene	2.25		1.05	µg/m3	2.25	
PSS-SG-06	o-Xylene	9.86		2.17	µg/m3	9.86	
PSS-SG-06	Propene	5.21		0.861	µg/m3	5.21	
PSS-SG-06	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-06	Tetrachloroethene	ND		3.39	µg/m3	3.39	U
PSS-SG-06	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-06	Toluene	31.4		1.88	µg/m3	31.4	
PSS-SG-06	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-06	trans-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-06	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-06	Trichlorofluoromethane	ND	J	2.81	µg/m3	2.81	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-06	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-06	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-06	1,1,1-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,1,2,2-Tetrachloroethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,2,4-Trimethylbenzene	3.3		0.50	ppbv	3.3	
PSS-SG-06	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,3,5-Trimethylbenzene	0.76		0.50	ppbv	0.76	
PSS-SG-06	1,3-Butadiene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-06	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-06	2-Butanone	1.4		0.50	ppbv	1.4	
PSS-SG-06	2-Hexanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-06	2-Propanol	2.0		1.0	ppbv	2.0	
PSS-SG-06	4-Ethyltoluene	0.80		0.50	ppbv	0.80	
PSS-SG-06	4-Methyl-2-pentanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-06	Acetone	39		10	ppbv	39	
PSS-SG-06	Benzene	1.3		0.50	ppbv	1.3	
PSS-SG-06	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-06	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	Bromoform	ND		0.50	ppbv	0.50	U
PSS-SG-06	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	Carbon disulfide	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Carbon tetrachloride	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-06	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	Chloroform	ND		0.20	ppbv	0.20	U
PSS-SG-06	Chloromethane	0.64		0.50	ppbv	0.64	
PSS-SG-06	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-06	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-06	Cumene	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Dibromochloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-06	Dichlorodifluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-06	Ethylbenzene	1.9		0.50	ppbv	1.9	
PSS-SG-06	Freon 113	ND		0.50	ppbv	0.50	U
PSS-SG-06	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-06	Heptane	1.5		0.50	ppbv	1.5	
PSS-SG-06	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-06	Hexane	2.5		0.50	ppbv	2.5	

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-06	m,p-Xylene	8.3		0.50	ppbv	8.3	
PSS-SG-06	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-06	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-06	Naphthalene	0.43		0.20	ppbv	0.43	
PSS-SG-06	o-Xylene	2.3		0.50	ppbv	2.3	
PSS-SG-06	Propene	3.0		0.50	ppbv	3.0	
PSS-SG-06	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Tetrachloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-06	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-06	Toluene	8.3		0.50	ppbv	8.3	
PSS-SG-06	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-06	trans-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-06	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-06	Trichlorofluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-06	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-06	Vinyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,1,1-Trichloroethane	ND		2.73	µg/m³	2.73	U
PSS-SG-07	1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	3.43	U
PSS-SG-07	1,1,2-Trichloroethane	ND		2.73	µg/m³	2.73	U
PSS-SG-07	1,1-Dichloroethane	ND		2.02	µg/m³	2.02	U
PSS-SG-07	1,1-Dichloroethene	ND		1.98	µg/m³	1.98	U
PSS-SG-07	1,2,4-Trichlorobenzene	ND		3.71	µg/m³	3.71	U
PSS-SG-07	1,2,4-Trimethylbenzene	18.4		2.46	µg/m³	18.4	
PSS-SG-07	1,2-Dibromoethane	ND		3.84	µg/m³	3.84	U
PSS-SG-07	1,2-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-07	1,2-Dichloroethane	ND		2.02	µg/m³	2.02	U
PSS-SG-07	1,2-Dichloropropane	ND		2.31	µg/m³	2.31	U
PSS-SG-07	1,3,5-Trimethylbenzene	4.38		2.46	µg/m³	4.38	
PSS-SG-07	1,3-Butadiene	5.11		1.11	µg/m³	5.11	
PSS-SG-07	1,3-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-07	1,4-Dichlorobenzene	ND		3.01	µg/m³	3.01	U
PSS-SG-07	1,4-Dioxane	ND		3.60	µg/m³	3.60	U
PSS-SG-07	2-Butanone	4.84		1.47	µg/m³	4.84	
PSS-SG-07	2-Hexanone	ND	J	4.10	µg/m³	4.10	U
PSS-SG-07	2-Propanol	4.52		2.46	µg/m³	4.52	
PSS-SG-07	4-Ethyltoluene	4.33		2.46	µg/m³	4.33	
PSS-SG-07	4-Methyl-2-pentanone	ND	J	4.10	µg/m³	4.10	U
PSS-SG-07	Acetone	32.8		2.38	µg/m³	32.8	
PSS-SG-07	Benzene	3.29		1.60	µg/m³	3.29	
PSS-SG-07	Benzyl chloride	ND		2.59	µg/m³	2.59	U
PSS-SG-07	Bromodichloromethane	ND		3.35	µg/m³	3.35	U
PSS-SG-07	Bromoform	ND		5.17	µg/m³	5.17	U
PSS-SG-07	Bromomethane	ND		1.94	µg/m³	1.94	U
PSS-SG-07	Carbon disulfide	ND	J	1.56	µg/m³	1.56	U
PSS-SG-07	Carbon tetrachloride	ND	J	3.15	µg/m³	3.15	U
PSS-SG-07	Chlorobenzene	ND		2.30	µg/m³	2.30	U
PSS-SG-07	Chloroethane	ND		1.32	µg/m³	1.32	U
PSS-SG-07	Chloroform	ND		0.976	µg/m³	0.976	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-07	Chloromethane	1.18		1.03	µg/m3	1.18	
PSS-SG-07	cis-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-07	cis-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-07	Cumene	ND	J	2.46	µg/m3	2.46	U
PSS-SG-07	Cyclohexane	ND	J	1.72	µg/m3	1.72	U
PSS-SG-07	Dibromochloromethane	ND		4.26	µg/m3	4.26	U
PSS-SG-07	Dichlorodifluoromethane	ND	J	2.47	µg/m3	2.47	U
PSS-SG-07	Ethyl acetate	ND		1.80	µg/m3	1.80	U
PSS-SG-07	Ethylbenzene	7.03		2.17	µg/m3	7.03	
PSS-SG-07	Freon 113	ND		3.83	µg/m3	3.83	U
PSS-SG-07	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-07	Heptane	4.18		2.05	µg/m3	4.18	
PSS-SG-07	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-07	Hexane	7.08		1.76	µg/m3	7.08	
PSS-SG-07	m,p-Xylene	32.4		2.17	µg/m3	32.4	
PSS-SG-07	Methylene chloride	ND		3.47	µg/m3	3.47	U
PSS-SG-07	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-07	Naphthalene	2.52		1.05	µg/m3	2.52	
PSS-SG-07	o-Xylene	13.5		2.17	µg/m3	13.5	
PSS-SG-07	Propene	25.3		0.861	µg/m3	25.3	
PSS-SG-07	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-07	Tetrachloroethene	ND		3.39	µg/m3	3.39	U
PSS-SG-07	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-07	Toluene	22.8		1.88	µg/m3	22.8	
PSS-SG-07	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-07	trans-1,3-Dichloropropene	ND	J	2.27	µg/m3	2.27	U
PSS-SG-07	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-07	Trichlorofluoromethane	ND	J	2.81	µg/m3	2.81	U
PSS-SG-07	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-07	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-07	1,1,1-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,2,4-Trimethylbenzene	3.8		0.50	ppbv	3.8	
PSS-SG-07	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,3,5-Trimethylbenzene	0.89		0.50	ppbv	0.89	
PSS-SG-07	1,3-Butadiene	2.3		0.50	ppbv	2.3	
PSS-SG-07	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-07	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-07	2-Butanone	1.6		0.50	ppbv	1.6	
PSS-SG-07	2-Hexanone	ND	J	1.0	ppbv	1.0	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-07	2-Propanol	1.8		1.0	ppbv	1.8	
PSS-SG-07	4-Ethyltoluene	0.88		0.50	ppbv	0.88	
PSS-SG-07	4-Methyl-2-pentanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-07	Acetone	14		1.0	ppbv	14	
PSS-SG-07	Benzene	1.0		0.50	ppbv	1.0	
PSS-SG-07	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-07	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	Bromoform	ND		0.50	ppbv	0.50	U
PSS-SG-07	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	Carbon disulfide	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Carbon tetrachloride	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-07	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	Chloroform	ND		0.20	ppbv	0.20	U
PSS-SG-07	Chloromethane	0.57		0.50	ppbv	0.57	
PSS-SG-07	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-07	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-07	Cumene	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Dibromochloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-07	Dichlorodifluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-07	Ethylbenzene	1.6		0.50	ppbv	1.6	
PSS-SG-07	Freon 113	ND		0.50	ppbv	0.50	U
PSS-SG-07	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-07	Heptane	1.0		0.50	ppbv	1.0	
PSS-SG-07	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-07	Hexane	2.0		0.50	ppbv	2.0	
PSS-SG-07	m,p-Xylene	7.5		0.50	ppbv	7.5	
PSS-SG-07	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-07	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-07	Naphthalene	0.48		0.20	ppbv	0.48	
PSS-SG-07	o-Xylene	3.1		0.50	ppbv	3.1	
PSS-SG-07	Propene	15		0.50	ppbv	15	
PSS-SG-07	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Tetrachloroethene	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-07	Toluene	6.0		0.50	ppbv	6.0	
PSS-SG-07	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-07	trans-1,3-Dichloropropene	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-07	Trichlorofluoromethane	ND	J	0.50	ppbv	0.50	U
PSS-SG-07	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-07	Vinyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,1,1-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-08	1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	3.43	U
PSS-SG-08	1,1,2-Trichloroethane	ND		2.73	µg/m3	2.73	U
PSS-SG-08	1,1-Dichloroethane	ND		2.02	µg/m3	2.02	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-08	1,1-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-08	1,2,4-Trichlorobenzene	ND		3.71	µg/m3	3.71	U
PSS-SG-08	1,2,4-Trimethylbenzene	9.54		2.46	µg/m3	9.54	
PSS-SG-08	1,2-Dibromoethane	ND		3.84	µg/m3	3.84	U
PSS-SG-08	1,2-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-08	1,2-Dichloroethane	ND		2.02	µg/m3	2.02	U
PSS-SG-08	1,2-Dichloropropane	ND		2.31	µg/m3	2.31	U
PSS-SG-08	1,3,5-Trimethylbenzene	ND	J	2.46	µg/m3	2.46	U
PSS-SG-08	1,3-Butadiene	ND		1.11	µg/m3	1.11	U
PSS-SG-08	1,3-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-08	1,4-Dichlorobenzene	ND		3.01	µg/m3	3.01	U
PSS-SG-08	1,4-Dioxane	ND		3.60	µg/m3	3.60	U
PSS-SG-08	2-Butanone	2.01		1.47	µg/m3	2.01	
PSS-SG-08	2-Hexanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-08	2-Propanol	ND		2.46	µg/m3	2.46	U
PSS-SG-08	4-Ethyltoluene	ND	J	2.46	µg/m3	2.46	U
PSS-SG-08	4-Methyl-2-pentanone	ND	J	4.10	µg/m3	4.10	U
PSS-SG-08	Acetone	18.1		2.38	µg/m3	18.1	
PSS-SG-08	Benzene	2.78		1.60	µg/m3	2.78	
PSS-SG-08	Benzyl chloride	ND		2.59	µg/m3	2.59	U
PSS-SG-08	Bromodichloromethane	ND		3.35	µg/m3	3.35	U
PSS-SG-08	Bromoform	ND		5.17	µg/m3	5.17	U
PSS-SG-08	Bromomethane	ND		1.94	µg/m3	1.94	U
PSS-SG-08	Carbon disulfide	ND	J	1.56	µg/m3	1.56	U
PSS-SG-08	Carbon tetrachloride	ND		3.15	µg/m3	3.15	U
PSS-SG-08	Chlorobenzene	ND		2.30	µg/m3	2.30	U
PSS-SG-08	Chloroethane	ND		1.32	µg/m3	1.32	U
PSS-SG-08	Chloroform	ND	J	0.976	µg/m3	0.976	U
PSS-SG-08	Chloromethane	ND		1.03	µg/m3	1.03	U
PSS-SG-08	cis-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-08	cis-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-08	Cumene	ND		2.46	µg/m3	2.46	U
PSS-SG-08	Cyclohexane	ND	J	1.72	µg/m3	1.72	U
PSS-SG-08	Dibromochloromethane	ND		4.26	µg/m3	4.26	U
PSS-SG-08	Dichlorodifluoromethane	3.61		2.47	µg/m3	3.61	
PSS-SG-08	Ethyl acetate	ND		1.80	µg/m3	1.80	U
PSS-SG-08	Ethylbenzene	4.56		2.17	µg/m3	4.56	
PSS-SG-08	Freon 113	ND	J	3.83	µg/m3	3.83	U
PSS-SG-08	Freon 114	ND		3.50	µg/m3	3.50	U
PSS-SG-08	Heptane	4.30		2.05	µg/m3	4.30	
PSS-SG-08	Hexachlorobutadiene	ND		5.33	µg/m3	5.33	U
PSS-SG-08	Hexane	7.37		1.76	µg/m3	7.37	
PSS-SG-08	m,p-Xylene	20.2		2.17	µg/m3	20.2	
PSS-SG-08	Methylene chloride	ND		3.47	µg/m3	3.47	U
PSS-SG-08	MTBE	ND		1.80	µg/m3	1.80	U
PSS-SG-08	Naphthalene	1.52		1.05	µg/m3	1.52	
PSS-SG-08	o-Xylene	6.82		2.17	µg/m3	6.82	
PSS-SG-08	Propene	ND		0.861	µg/m3	0.861	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-08	Styrene	ND	J	2.13	µg/m3	2.13	U
PSS-SG-08	Tetrachloroethene	ND	J	3.39	µg/m3	3.39	U
PSS-SG-08	Tetrahydrofuran	ND		1.47	µg/m3	1.47	U
PSS-SG-08	Toluene	18.8		1.88	µg/m3	18.8	
PSS-SG-08	trans-1,2-Dichloroethene	ND		1.98	µg/m3	1.98	U
PSS-SG-08	trans-1,3-Dichloropropene	ND		2.27	µg/m3	2.27	U
PSS-SG-08	Trichloroethene	ND		1.07	µg/m3	1.07	U
PSS-SG-08	Trichlorofluoromethane	3.26		2.81	µg/m3	3.26	
PSS-SG-08	Vinyl acetate	ND		1.76	µg/m3	1.76	U
PSS-SG-08	Vinyl chloride	ND		1.28	µg/m3	1.28	U
PSS-SG-08	1,1,1-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,1,2-Trichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,1-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,1-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,2,4-Trichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,2,4-Trimethylbenzene	1.9		0.50	ppbv	1.9	
PSS-SG-08	1,2-Dibromoethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,2-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,2-Dichloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,2-Dichloropropane	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,3,5-Trimethylbenzene	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	1,3-Butadiene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,3-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,4-Dichlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-08	1,4-Dioxane	ND		1.0	ppbv	1.0	U
PSS-SG-08	2-Butanone	0.68		0.50	ppbv	0.68	
PSS-SG-08	2-Hexanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-08	2-Propanol	ND		1.0	ppbv	1.0	U
PSS-SG-08	4-Ethyltoluene	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	4-Methyl-2-pentanone	ND	J	1.0	ppbv	1.0	U
PSS-SG-08	Acetone	7.6		1.0	ppbv	7.6	
PSS-SG-08	Benzene	0.87		0.50	ppbv	0.87	
PSS-SG-08	Benzyl chloride	ND		0.50	ppbv	0.50	U
PSS-SG-08	Bromodichloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	Bromoform	ND		0.50	ppbv	0.50	U
PSS-SG-08	Bromomethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	Carbon disulfide	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	Carbon tetrachloride	ND		0.50	ppbv	0.50	U
PSS-SG-08	Chlorobenzene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Chloroethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	Chloroform	ND	J	0.20	ppbv	0.20	U
PSS-SG-08	Chloromethane	ND		0.50	ppbv	0.50	U
PSS-SG-08	cis-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-08	cis-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Cumene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Cyclohexane	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	Dibromochloromethane	ND		0.50	ppbv	0.50	U

PATTERSON STREET SOLVENT PLUME
ALS ENVIRONMENTAL REPORT NO. 1803414

Sample ID	Analyte	Lab Result	Lab Quals	RL	Units	Val Result	Val Quals
PSS-SG-08	Dichlorodifluoromethane	0.73		0.50	ppbv	0.73	
PSS-SG-08	Ethyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-08	Ethylbenzene	1.0		0.50	ppbv	1.0	
PSS-SG-08	Freon 113	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	Freon 114	ND		0.50	ppbv	0.50	U
PSS-SG-08	Heptane	1.0		0.50	ppbv	1.0	
PSS-SG-08	Hexachlorobutadiene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Hexane	2.1		0.50	ppbv	2.1	
PSS-SG-08	m,p-Xylene	4.6		0.50	ppbv	4.6	
PSS-SG-08	Methylene chloride	ND		1.0	ppbv	1.0	U
PSS-SG-08	MTBE	ND		0.50	ppbv	0.50	U
PSS-SG-08	Naphthalene	0.29		0.20	ppbv	0.29	
PSS-SG-08	o-Xylene	1.6		0.50	ppbv	1.6	
PSS-SG-08	Propene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Styrene	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	Tetrachloroethene	ND	J	0.50	ppbv	0.50	U
PSS-SG-08	Tetrahydrofuran	ND		0.50	ppbv	0.50	U
PSS-SG-08	Toluene	5.0		0.50	ppbv	5.0	
PSS-SG-08	trans-1,2-Dichloroethene	ND		0.50	ppbv	0.50	U
PSS-SG-08	trans-1,3-Dichloropropene	ND		0.50	ppbv	0.50	U
PSS-SG-08	Trichloroethene	ND		0.20	ppbv	0.20	U
PSS-SG-08	Trichlorofluoromethane	0.58		0.50	ppbv	0.58	
PSS-SG-08	Vinyl acetate	ND		0.50	ppbv	0.50	U
PSS-SG-08	Vinyl chloride	ND		0.50	ppbv	0.50	U

ATTACHMENT 1
LABORATORY ANALYTICAL REPORT
(34 Sheets)



TDD No. TT-02-025
Patterson Street Solvent Plume – STAGE 2
Removal Assessment Letter Report



23-Mar-2018

Jessica Vickers
Tetra Tech, Inc.
1955 Evergreen Pkwy
Ste. 300 Bldg. 200
Duluth, GA 30096

Tel: (678) 755-3104
Fax:

Re: Patterson Street Solvent Greensboro, NC; TT-02-025

Work Order: **1803414**

Dear Jessica,

ALS Environmental received 6 samples on 12-Mar-2018 12:05 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 34.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Work Order: **1803414**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1803414-01	109135 PSS-SG-03	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>
1803414-02	109153 PSS-SG-03-SPLIT	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>
1803414-03	109481 PSS-SG-04	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>
1803414-04	109200 PSS-SG-07	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>
1803414-05	109974 PSS-SG-08	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>
1803414-06	107284 PSS-SG-06	Air		3 7 2018	3 12 2018 12:05	<input type="checkbox"/>

Client: Tetra Tech, Inc.**Project:** Patterson Street Solvent Greensboro, NC; TT-02-025**Work Order:** 1803414**Case Narrative**

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109135 PSS-SG-03
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,2,4-Trimethylbenzene	3.6		0.50	ppbv	1	3/19/2018 04:23 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,3,5-Trimethylbenzene	0.80		0.50	ppbv	1	3/19/2018 04:23 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 04:23 PM
2-Butanone	ND		0.50	ppbv	1	3/19/2018 04:23 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 04:23 PM
2-Propanol	ND		1.0	ppbv	1	3/19/2018 04:23 PM
4-Ethyltoluene	0.73		0.50	ppbv	1	3/19/2018 04:23 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 04:23 PM
Acetone	6.3		1.0	ppbv	1	3/19/2018 04:23 PM
Benzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Chloroform	0.37		0.20	ppbv	1	3/19/2018 04:23 PM
Chloromethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109135 PSS-SG-03
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Ethylbenzene	1.0		0.50	ppbv	1	3/19/2018 04:23 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Heptane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Hexane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
m,p-Xylene	5.1		0.50	ppbv	1	3/19/2018 04:23 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 04:23 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Naphthalene	0.46		0.20	ppbv	1	3/19/2018 04:23 PM
o-Xylene	2.2		0.50	ppbv	1	3/19/2018 04:23 PM
Propene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Toluene	4.6		0.50	ppbv	1	3/19/2018 04:23 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 04:23 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 04:23 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 04:23 PM
<i>Surr: Bromofluorobenzene</i>	<i>92.8</i>		<i>60-140</i>	<i>%REC</i>	<i>1</i>	<i>3/19/2018 04:23 PM</i>
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 04:23 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 04:23 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 04:23 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 04:23 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 04:23 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 04:23 PM
1,2,4-Trimethylbenzene	17.6		2.46	µg/m3	1	3/19/2018 04:23 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 04:23 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 04:23 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 04:23 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 04:23 PM
1,3,5-Trimethylbenzene	3.93		2.46	µg/m3	1	3/19/2018 04:23 PM
1,3-Butadiene	ND		1.11	µg/m3	1	3/19/2018 04:23 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 04:23 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 04:23 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109135 PSS-SG-03
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 04:23 PM
2-Butanone	ND		1.47	µg/m3	1	3/19/2018 04:23 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 04:23 PM
2-Propanol	ND		2.46	µg/m3	1	3/19/2018 04:23 PM
4-Ethyltoluene	3.59		2.46	µg/m3	1	3/19/2018 04:23 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 04:23 PM
Acetone	15.0		2.38	µg/m3	1	3/19/2018 04:23 PM
Benzene	ND		1.60	µg/m3	1	3/19/2018 04:23 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 04:23 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 04:23 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 04:23 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 04:23 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 04:23 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 04:23 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 04:23 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 04:23 PM
Chloroform	1.81		0.976	µg/m3	1	3/19/2018 04:23 PM
Chloromethane	ND		1.03	µg/m3	1	3/19/2018 04:23 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 04:23 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 04:23 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 04:23 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 04:23 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 04:23 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/19/2018 04:23 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 04:23 PM
Ethylbenzene	4.56		2.17	µg/m3	1	3/19/2018 04:23 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 04:23 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 04:23 PM
Heptane	ND		2.05	µg/m3	1	3/19/2018 04:23 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 04:23 PM
Hexane	ND		1.76	µg/m3	1	3/19/2018 04:23 PM
m,p-Xylene	22.2		2.17	µg/m3	1	3/19/2018 04:23 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 04:23 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 04:23 PM
Naphthalene	2.41		1.05	µg/m3	1	3/19/2018 04:23 PM
o-Xylene	9.47		2.17	µg/m3	1	3/19/2018 04:23 PM
Propene	ND		0.861	µg/m3	1	3/19/2018 04:23 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 04:23 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 04:23 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 04:23 PM

Note:

ALS Environmental**Date:** 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 109135 PSS-SG-03 **Lab ID:** 1803414-01
Collection Date: 3 7 2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	17.3		1.88	µg/m3	1	3/19/2018 04:23 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 04:23 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 04:23 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 04:23 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/19/2018 04:23 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 04:23 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 04:23 PM
<i>Surr: Bromofluorobenzene</i>	92.8		60-140	%REC	1	3/19/2018 04:23 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109153 PSS-SG-03-SPLIT
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,2,4-Trimethylbenzene	3.7		0.50	ppbv	1	3/19/2018 05:16 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,3,5-Trimethylbenzene	0.83		0.50	ppbv	1	3/19/2018 05:16 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 05:16 PM
2-Butanone	0.87		0.50	ppbv	1	3/19/2018 05:16 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 05:16 PM
2-Propanol	ND		1.0	ppbv	1	3/19/2018 05:16 PM
4-Ethyltoluene	0.84		0.50	ppbv	1	3/19/2018 05:16 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 05:16 PM
Acetone	6.2		1.0	ppbv	1	3/19/2018 05:16 PM
Benzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Chloroform	0.36		0.20	ppbv	1	3/19/2018 05:16 PM
Chloromethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109153 PSS-SG-03-SPLIT
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Ethylbenzene	1.1		0.50	ppbv	1	3/19/2018 05:16 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Heptane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Hexane	0.54		0.50	ppbv	1	3/19/2018 05:16 PM
m,p-Xylene	5.3		0.50	ppbv	1	3/19/2018 05:16 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 05:16 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Naphthalene	0.47		0.20	ppbv	1	3/19/2018 05:16 PM
o-Xylene	2.3		0.50	ppbv	1	3/19/2018 05:16 PM
Propene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Toluene	4.7		0.50	ppbv	1	3/19/2018 05:16 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 05:16 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 05:16 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 05:16 PM
<i>Surr: Bromofluorobenzene</i>	88.5		60-140	%REC	1	3/19/2018 05:16 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 05:16 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 05:16 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 05:16 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 05:16 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 05:16 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 05:16 PM
1,2,4-Trimethylbenzene	18.4		2.46	µg/m3	1	3/19/2018 05:16 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 05:16 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 05:16 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 05:16 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 05:16 PM
1,3,5-Trimethylbenzene	4.08		2.46	µg/m3	1	3/19/2018 05:16 PM
1,3-Butadiene	ND		1.11	µg/m3	1	3/19/2018 05:16 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 05:16 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 05:16 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109153 PSS-SG-03-SPLIT
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 05:16 PM
2-Butanone	2.57		1.47	µg/m3	1	3/19/2018 05:16 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 05:16 PM
2-Propanol	ND		2.46	µg/m3	1	3/19/2018 05:16 PM
4-Ethyltoluene	4.13		2.46	µg/m3	1	3/19/2018 05:16 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 05:16 PM
Acetone	14.8		2.38	µg/m3	1	3/19/2018 05:16 PM
Benzene	ND		1.60	µg/m3	1	3/19/2018 05:16 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 05:16 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 05:16 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 05:16 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 05:16 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 05:16 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 05:16 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 05:16 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 05:16 PM
Chloroform	1.76		0.976	µg/m3	1	3/19/2018 05:16 PM
Chloromethane	ND		1.03	µg/m3	1	3/19/2018 05:16 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 05:16 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 05:16 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 05:16 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 05:16 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 05:16 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/19/2018 05:16 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 05:16 PM
Ethylbenzene	4.82		2.17	µg/m3	1	3/19/2018 05:16 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 05:16 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 05:16 PM
Heptane	ND		2.05	µg/m3	1	3/19/2018 05:16 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 05:16 PM
Hexane	1.90		1.76	µg/m3	1	3/19/2018 05:16 PM
m,p-Xylene	23.1		2.17	µg/m3	1	3/19/2018 05:16 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 05:16 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 05:16 PM
Naphthalene	2.46		1.05	µg/m3	1	3/19/2018 05:16 PM
o-Xylene	9.90		2.17	µg/m3	1	3/19/2018 05:16 PM
Propene	ND		0.861	µg/m3	1	3/19/2018 05:16 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 05:16 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 05:16 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 05:16 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 109153 PSS-SG-03-SPLIT **Lab ID:** 1803414-02
Collection Date: 3 7 2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	17.7		1.88	µg/m3	1	3/19/2018 05:16 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 05:16 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 05:16 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 05:16 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/19/2018 05:16 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 05:16 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 05:16 PM
Surr: Bromofluorobenzene	88.5		60-140	%REC	1	3/19/2018 05:16 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109481 PSS-SG-04
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,2,4-Trimethylbenzene	4.0		0.50	ppbv	1	3/19/2018 07:35 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,3,5-Trimethylbenzene	0.91		0.50	ppbv	1	3/19/2018 07:35 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 07:35 PM
2-Butanone	1.9		0.50	ppbv	1	3/19/2018 07:35 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 07:35 PM
2-Propanol	1.4		1.0	ppbv	1	3/19/2018 07:35 PM
4-Ethyltoluene	0.83		0.50	ppbv	1	3/19/2018 07:35 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 07:35 PM
Acetone	17		1.0	ppbv	1	3/19/2018 07:35 PM
Benzene	0.53		0.50	ppbv	1	3/19/2018 07:35 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Chloroform	ND		0.20	ppbv	1	3/19/2018 07:35 PM
Chloromethane	0.62		0.50	ppbv	1	3/19/2018 07:35 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109481 PSS-SG-04
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Ethylbenzene	1.6		0.50	ppbv	1	3/19/2018 07:35 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Heptane	0.82		0.50	ppbv	1	3/19/2018 07:35 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Hexane	0.97		0.50	ppbv	1	3/19/2018 07:35 PM
m,p-Xylene	7.4		0.50	ppbv	1	3/19/2018 07:35 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 07:35 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Naphthalene	0.60		0.20	ppbv	1	3/19/2018 07:35 PM
o-Xylene	3.1		0.50	ppbv	1	3/19/2018 07:35 PM
Propene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Toluene	5.7		0.50	ppbv	1	3/19/2018 07:35 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 07:35 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 07:35 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 07:35 PM
<i>Surr: Bromofluorobenzene</i>	93.1		60-140	%REC	1	3/19/2018 07:35 PM
TO-15 BY GC/MS		ETO-15		Analyst: MRJ		
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 07:35 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 07:35 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 07:35 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 07:35 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 07:35 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 07:35 PM
1,2,4-Trimethylbenzene	19.6		2.46	µg/m3	1	3/19/2018 07:35 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 07:35 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 07:35 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 07:35 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 07:35 PM
1,3,5-Trimethylbenzene	4.47		2.46	µg/m3	1	3/19/2018 07:35 PM
1,3-Butadiene	ND		1.11	µg/m3	1	3/19/2018 07:35 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 07:35 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 07:35 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109481 PSS-SG-04
Collection Date: 3 7 2018

Work Order: 1803414
Lab ID: 1803414-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 07:35 PM
2-Butanone	5.69		1.47	µg/m3	1	3/19/2018 07:35 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 07:35 PM
2-Propanol	3.49		2.46	µg/m3	1	3/19/2018 07:35 PM
4-Ethyltoluene	4.08		2.46	µg/m3	1	3/19/2018 07:35 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 07:35 PM
Acetone	39.9		2.38	µg/m3	1	3/19/2018 07:35 PM
Benzene	1.69		1.60	µg/m3	1	3/19/2018 07:35 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 07:35 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 07:35 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 07:35 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 07:35 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 07:35 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 07:35 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 07:35 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 07:35 PM
Chloroform	ND		0.976	µg/m3	1	3/19/2018 07:35 PM
Chloromethane	1.28		1.03	µg/m3	1	3/19/2018 07:35 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 07:35 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 07:35 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 07:35 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 07:35 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 07:35 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/19/2018 07:35 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 07:35 PM
Ethylbenzene	6.90		2.17	µg/m3	1	3/19/2018 07:35 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 07:35 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 07:35 PM
Heptane	3.36		2.05	µg/m3	1	3/19/2018 07:35 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 07:35 PM
Hexane	3.42		1.76	µg/m3	1	3/19/2018 07:35 PM
m,p-Xylene	32.3		2.17	µg/m3	1	3/19/2018 07:35 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 07:35 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 07:35 PM
Naphthalene	3.15		1.05	µg/m3	1	3/19/2018 07:35 PM
o-Xylene	13.5		2.17	µg/m3	1	3/19/2018 07:35 PM
Propene	ND		0.861	µg/m3	1	3/19/2018 07:35 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 07:35 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 07:35 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 07:35 PM

Note:

ALS Environmental**Date:** 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 109481 PSS-SG-04 **Lab ID:** 1803414-03
Collection Date: 3 7 2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	21.4		1.88	µg/m3	1	3/19/2018 07:35 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 07:35 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 07:35 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 07:35 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/19/2018 07:35 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 07:35 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 07:35 PM
<i>Surr: Bromofluorobenzene</i>	93.1		60-140	%REC	1	3/19/2018 07:35 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109200 PSS-SG-07
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,2,4-Trimethylbenzene	3.8		0.50	ppbv	1	3/19/2018 06:02 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,3,5-Trimethylbenzene	0.89		0.50	ppbv	1	3/19/2018 06:02 PM
1,3-Butadiene	2.3		0.50	ppbv	1	3/19/2018 06:02 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 06:02 PM
2-Butanone	1.6		0.50	ppbv	1	3/19/2018 06:02 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 06:02 PM
2-Propanol	1.8		1.0	ppbv	1	3/19/2018 06:02 PM
4-Ethyltoluene	0.88		0.50	ppbv	1	3/19/2018 06:02 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 06:02 PM
Acetone	14		1.0	ppbv	1	3/19/2018 06:02 PM
Benzene	1.0		0.50	ppbv	1	3/19/2018 06:02 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Chloroform	ND		0.20	ppbv	1	3/19/2018 06:02 PM
Chloromethane	0.57		0.50	ppbv	1	3/19/2018 06:02 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109200 PSS-SG-07
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Ethylbenzene	1.6		0.50	ppbv	1	3/19/2018 06:02 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Heptane	1.0		0.50	ppbv	1	3/19/2018 06:02 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Hexane	2.0		0.50	ppbv	1	3/19/2018 06:02 PM
m,p-Xylene	7.5		0.50	ppbv	1	3/19/2018 06:02 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 06:02 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Naphthalene	0.48		0.20	ppbv	1	3/19/2018 06:02 PM
o-Xylene	3.1		0.50	ppbv	1	3/19/2018 06:02 PM
Propene	15		0.50	ppbv	1	3/19/2018 06:02 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Toluene	6.0		0.50	ppbv	1	3/19/2018 06:02 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 06:02 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 06:02 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 06:02 PM
<i>Surr: Bromofluorobenzene</i>	93.5		60-140	%REC	1	3/19/2018 06:02 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 06:02 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 06:02 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 06:02 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 06:02 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:02 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 06:02 PM
1,2,4-Trimethylbenzene	18.4		2.46	µg/m3	1	3/19/2018 06:02 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 06:02 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:02 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 06:02 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 06:02 PM
1,3,5-Trimethylbenzene	4.38		2.46	µg/m3	1	3/19/2018 06:02 PM
1,3-Butadiene	5.11		1.11	µg/m3	1	3/19/2018 06:02 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:02 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:02 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109200 PSS-SG-07
Collection Date: 3 7 2018

Work Order: 1803414
Lab ID: 1803414-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 06:02 PM
2-Butanone	4.84		1.47	µg/m3	1	3/19/2018 06:02 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 06:02 PM
2-Propanol	4.52		2.46	µg/m3	1	3/19/2018 06:02 PM
4-Ethyltoluene	4.33		2.46	µg/m3	1	3/19/2018 06:02 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 06:02 PM
Acetone	32.8		2.38	µg/m3	1	3/19/2018 06:02 PM
Benzene	3.29		1.60	µg/m3	1	3/19/2018 06:02 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 06:02 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 06:02 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 06:02 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 06:02 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 06:02 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 06:02 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 06:02 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 06:02 PM
Chloroform	ND		0.976	µg/m3	1	3/19/2018 06:02 PM
Chloromethane	1.18		1.03	µg/m3	1	3/19/2018 06:02 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:02 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 06:02 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 06:02 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 06:02 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 06:02 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/19/2018 06:02 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 06:02 PM
Ethylbenzene	7.03		2.17	µg/m3	1	3/19/2018 06:02 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 06:02 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 06:02 PM
Heptane	4.18		2.05	µg/m3	1	3/19/2018 06:02 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 06:02 PM
Hexane	7.08		1.76	µg/m3	1	3/19/2018 06:02 PM
m,p-Xylene	32.4		2.17	µg/m3	1	3/19/2018 06:02 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 06:02 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 06:02 PM
Naphthalene	2.52		1.05	µg/m3	1	3/19/2018 06:02 PM
o-Xylene	13.5		2.17	µg/m3	1	3/19/2018 06:02 PM
Propene	25.3		0.861	µg/m3	1	3/19/2018 06:02 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 06:02 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 06:02 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 06:02 PM

Note:

ALS Environmental**Date:** 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 109200_PSS-SG-07 **Lab ID:** 1803414-04
Collection Date: 3 7 2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	22.8		1.88	µg/m3	1	3/19/2018 06:02 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:02 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 06:02 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 06:02 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/19/2018 06:02 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 06:02 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 06:02 PM
<i>Surr: Bromofluorobenzene</i>	93.5		60-140	%REC	1	3/19/2018 06:02 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 109974 PSS-SG-08
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,2,4-Trimethylbenzene	1.9		0.50	ppbv	1	3/19/2018 06:48 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 06:48 PM
2-Butanone	0.68		0.50	ppbv	1	3/19/2018 06:48 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 06:48 PM
2-Propanol	ND		1.0	ppbv	1	3/19/2018 06:48 PM
4-Ethyltoluene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 06:48 PM
Acetone	7.6		1.0	ppbv	1	3/19/2018 06:48 PM
Benzene	0.87		0.50	ppbv	1	3/19/2018 06:48 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Chloroform	ND		0.20	ppbv	1	3/19/2018 06:48 PM
Chloromethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Dichlorodifluoromethane	0.73		0.50	ppbv	1	3/19/2018 06:48 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.**Project:** Patterson Street Solvent Greensboro, NC; TT-02-025**Work Order:** 1803414**Sample ID:** 109974 PSS-SG-08**Lab ID:** 1803414-05**Collection Date:** 3 7 2018**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Ethylbenzene	1.0		0.50	ppbv	1	3/19/2018 06:48 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Heptane	1.0		0.50	ppbv	1	3/19/2018 06:48 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Hexane	2.1		0.50	ppbv	1	3/19/2018 06:48 PM
m,p-Xylene	4.6		0.50	ppbv	1	3/19/2018 06:48 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 06:48 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Naphthalene	0.29		0.20	ppbv	1	3/19/2018 06:48 PM
o-Xylene	1.6		0.50	ppbv	1	3/19/2018 06:48 PM
Propene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Toluene	5.0		0.50	ppbv	1	3/19/2018 06:48 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 06:48 PM
Trichlorofluoromethane	0.58		0.50	ppbv	1	3/19/2018 06:48 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 06:48 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 06:48 PM
<i>Surr: Bromofluorobenzene</i>	78.1		60-140	%REC	1	3/19/2018 06:48 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 06:48 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 06:48 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 06:48 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 06:48 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:48 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 06:48 PM
1,2,4-Trimethylbenzene	9.54		2.46	µg/m3	1	3/19/2018 06:48 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 06:48 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:48 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 06:48 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 06:48 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	3/19/2018 06:48 PM
1,3-Butadiene	ND		1.11	µg/m3	1	3/19/2018 06:48 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:48 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 06:48 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.**Project:** Patterson Street Solvent Greensboro, NC; TT-02-025**Work Order:** 1803414**Sample ID:** 109974 PSS-SG-08**Lab ID:** 1803414-05**Collection Date:** 3/7/2018**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 06:48 PM
2-Butanone	2.01		1.47	µg/m3	1	3/19/2018 06:48 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 06:48 PM
2-Propanol	ND		2.46	µg/m3	1	3/19/2018 06:48 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	3/19/2018 06:48 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 06:48 PM
Acetone	18.1		2.38	µg/m3	1	3/19/2018 06:48 PM
Benzene	2.78		1.60	µg/m3	1	3/19/2018 06:48 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 06:48 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 06:48 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 06:48 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 06:48 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 06:48 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 06:48 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 06:48 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 06:48 PM
Chloroform	ND		0.976	µg/m3	1	3/19/2018 06:48 PM
Chloromethane	ND		1.03	µg/m3	1	3/19/2018 06:48 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:48 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 06:48 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 06:48 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 06:48 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 06:48 PM
Dichlorodifluoromethane	3.61		2.47	µg/m3	1	3/19/2018 06:48 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 06:48 PM
Ethylbenzene	4.56		2.17	µg/m3	1	3/19/2018 06:48 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 06:48 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 06:48 PM
Heptane	4.30		2.05	µg/m3	1	3/19/2018 06:48 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 06:48 PM
Hexane	7.37		1.76	µg/m3	1	3/19/2018 06:48 PM
m,p-Xylene	20.2		2.17	µg/m3	1	3/19/2018 06:48 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 06:48 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 06:48 PM
Naphthalene	1.52		1.05	µg/m3	1	3/19/2018 06:48 PM
o-Xylene	6.82		2.17	µg/m3	1	3/19/2018 06:48 PM
Propene	ND		0.861	µg/m3	1	3/19/2018 06:48 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 06:48 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 06:48 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 06:48 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 109974 PSS-SG-08 **Lab ID:** 1803414-05
Collection Date: 3 7 2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	18.8		1.88	µg/m3	1	3/19/2018 06:48 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 06:48 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 06:48 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 06:48 PM
Trichlorofluoromethane	3.26		2.81	µg/m3	1	3/19/2018 06:48 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 06:48 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 06:48 PM
<i>Surr: Bromofluorobenzene</i>	78.1		60-140	%REC	1	3/19/2018 06:48 PM

Note:

ALS Environmental**Date:** 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 107284 PSS-SG-06
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,2,4-Trimethylbenzene	3.3		0.50	ppbv	1	3/19/2018 08:22 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,3,5-Trimethylbenzene	0.76		0.50	ppbv	1	3/19/2018 08:22 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/19/2018 08:22 PM
2-Butanone	1.4		0.50	ppbv	1	3/19/2018 08:22 PM
2-Hexanone	ND		1.0	ppbv	1	3/19/2018 08:22 PM
2-Propanol	2.0		1.0	ppbv	1	3/19/2018 08:22 PM
4-Ethyltoluene	0.80		0.50	ppbv	1	3/19/2018 08:22 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/19/2018 08:22 PM
Acetone	39		10	ppbv	10	3/20/2018 08:00 PM
Benzene	1.3		0.50	ppbv	1	3/19/2018 08:22 PM
Benzyl chloride	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Bromoform	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Bromomethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Carbon disulfide	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Chlorobenzene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Chloroethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Chloroform	ND		0.20	ppbv	1	3/19/2018 08:22 PM
Chloromethane	0.64		0.50	ppbv	1	3/19/2018 08:22 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Cumene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Cyclohexane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 107284 PSS-SG-06
Collection Date: 3 7 2018

Work Order: 1803414

Lab ID: 1803414-06

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Ethylbenzene	1.9		0.50	ppbv	1	3/19/2018 08:22 PM
Freon 113	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Freon 114	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Heptane	1.5		0.50	ppbv	1	3/19/2018 08:22 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Hexane	2.5		0.50	ppbv	1	3/19/2018 08:22 PM
m,p-Xylene	8.3		0.50	ppbv	1	3/19/2018 08:22 PM
Methylene chloride	ND		1.0	ppbv	1	3/19/2018 08:22 PM
MTBE	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Naphthalene	0.43		0.20	ppbv	1	3/19/2018 08:22 PM
o-Xylene	2.3		0.50	ppbv	1	3/19/2018 08:22 PM
Propene	3.0		0.50	ppbv	1	3/19/2018 08:22 PM
Styrene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Toluene	8.3		0.50	ppbv	1	3/19/2018 08:22 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Trichloroethene	ND		0.20	ppbv	1	3/19/2018 08:22 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Vinyl acetate	ND		0.50	ppbv	1	3/19/2018 08:22 PM
Vinyl chloride	ND		0.50	ppbv	1	3/19/2018 08:22 PM
<i>Surr: Bromofluorobenzene</i>	<i>81.9</i>		<i>60-140</i>	<i>%REC</i>	<i>1</i>	<i>3/19/2018 08:22 PM</i>
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 08:22 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/19/2018 08:22 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	3/19/2018 08:22 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 08:22 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 08:22 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/19/2018 08:22 PM
1,2,4-Trimethylbenzene	16.3		2.46	µg/m3	1	3/19/2018 08:22 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	3/19/2018 08:22 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 08:22 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	3/19/2018 08:22 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/19/2018 08:22 PM
1,3,5-Trimethylbenzene	3.74		2.46	µg/m3	1	3/19/2018 08:22 PM
1,3-Butadiene	ND		1.11	µg/m3	1	3/19/2018 08:22 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 08:22 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	3/19/2018 08:22 PM

Note:

ALS Environmental

Date: 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
Sample ID: 107284 PSS-SG-06
Collection Date: 3 7 2018 **Work Order:** 1803414
Lab ID: 1803414-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	3/19/2018 08:22 PM
2-Butanone	4.28		1.47	µg/m3	1	3/19/2018 08:22 PM
2-Hexanone	ND		4.10	µg/m3	1	3/19/2018 08:22 PM
2-Propanol	4.92		2.46	µg/m3	1	3/19/2018 08:22 PM
4-Ethyltoluene	3.93		2.46	µg/m3	1	3/19/2018 08:22 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/19/2018 08:22 PM
Acetone	92.2		23.8	µg/m3	10	3/20/2018 08:00 PM
Benzene	4.19		1.60	µg/m3	1	3/19/2018 08:22 PM
Benzyl chloride	ND		2.59	µg/m3	1	3/19/2018 08:22 PM
Bromodichloromethane	ND		3.35	µg/m3	1	3/19/2018 08:22 PM
Bromoform	ND		5.17	µg/m3	1	3/19/2018 08:22 PM
Bromomethane	ND		1.94	µg/m3	1	3/19/2018 08:22 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/19/2018 08:22 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/19/2018 08:22 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/19/2018 08:22 PM
Chloroethane	ND		1.32	µg/m3	1	3/19/2018 08:22 PM
Chloroform	ND		0.976	µg/m3	1	3/19/2018 08:22 PM
Chloromethane	1.32		1.03	µg/m3	1	3/19/2018 08:22 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 08:22 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 08:22 PM
Cumene	ND		2.46	µg/m3	1	3/19/2018 08:22 PM
Cyclohexane	ND		1.72	µg/m3	1	3/19/2018 08:22 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/19/2018 08:22 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/19/2018 08:22 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/19/2018 08:22 PM
Ethylbenzene	8.08		2.17	µg/m3	1	3/19/2018 08:22 PM
Freon 113	ND		3.83	µg/m3	1	3/19/2018 08:22 PM
Freon 114	ND		3.50	µg/m3	1	3/19/2018 08:22 PM
Heptane	6.27		2.05	µg/m3	1	3/19/2018 08:22 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	3/19/2018 08:22 PM
Hexane	8.71		1.76	µg/m3	1	3/19/2018 08:22 PM
m,p-Xylene	36.0		2.17	µg/m3	1	3/19/2018 08:22 PM
Methylene chloride	ND		3.47	µg/m3	1	3/19/2018 08:22 PM
MTBE	ND		1.80	µg/m3	1	3/19/2018 08:22 PM
Naphthalene	2.25		1.05	µg/m3	1	3/19/2018 08:22 PM
o-Xylene	9.86		2.17	µg/m3	1	3/19/2018 08:22 PM
Propene	5.21		0.861	µg/m3	1	3/19/2018 08:22 PM
Styrene	ND		2.13	µg/m3	1	3/19/2018 08:22 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/19/2018 08:22 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/19/2018 08:22 PM

Note:

ALS Environmental**Date:** 23-Mar-18

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025 **Work Order:** 1803414
Sample ID: 107284 PSS-SG-06 **Lab ID:** 1803414-06
Collection Date: 3/7/2018 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	31.4		1.88	µg/m3	1	3/19/2018 08:22 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/19/2018 08:22 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/19/2018 08:22 PM
Trichloroethene	ND		1.07	µg/m3	1	3/19/2018 08:22 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/19/2018 08:22 PM
Vinyl acetate	ND		1.76	µg/m3	1	3/19/2018 08:22 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/19/2018 08:22 PM
<i>Surr: Bromofluorobenzene</i>	81.9		60-140	%REC	1	3/19/2018 08:22 PM

Note:

Client: Tetra Tech, Inc.

QC BATCH REPORT

Work Order: 1803414

Project: Patterson Street Solvent Greensboro, NC; TT-02-02

Batch ID: R150422		Instrument ID VMS4		Method: ETO-15						
mblk	Sample ID	MLBK-R150422		Units: ppbv		Analysis Date: 3/19/2018 11:05 AM				
Client ID:		Run ID: VMS4_180319A		SeqNo: 1713964		Prep Date:		DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1-Trichloroethane		ND	0.50							
1,1,2,2-Tetrachloroethane		ND	0.50							
1,1,2-Trichloroethane		ND	0.50							
1,1-Dichloroethane		ND	0.50							
1,1-Dichloroethene		ND	0.50							
1,2,4-Trichlorobenzene		ND	0.50							
1,2,4-Trimethylbenzene		ND	0.50							
1,2-Dibromoethane		ND	0.50							
1,2-Dichlorobenzene		ND	0.50							
1,2-Dichloroethane		ND	0.50							
1,2-Dichloropropane		ND	0.50							
1,3,5-Trimethylbenzene		ND	0.50							
1,3-Butadiene		ND	0.50							
1,3-Dichlorobenzene		ND	0.50							
1,4-Dichlorobenzene		ND	0.50							
1,4-Dioxane		ND	1.0							
2-Butanone		ND	0.50							
2-Hexanone		ND	1.0							
2-Propanol		ND	1.0							
4-Ethyltoluene		ND	0.50							
4-Methyl-2-pentanone		ND	1.0							
Acetone		ND	1.0							
Benzene		ND	0.50							
Benzyl chloride		ND	0.50							
Bromodichloromethane		ND	0.50							
Bromoform		ND	0.50							
Bromomethane		ND	0.50							
Carbon disulfide		ND	0.50							
Carbon tetrachloride		ND	0.50							
Chlorobenzene		ND	0.50							
Chloroethane		ND	0.50							
Chloroform		ND	0.20							
Chloromethane		ND	0.50							
cis-1,2-Dichloroethene		ND	0.50							
cis-1,3-Dichloropropene		ND	0.50							
Cumene		ND	0.50							
Cyclohexane		ND	0.50							
Dibromochloromethane		ND	0.50							
Dichlorodifluoromethane		ND	0.50							
Ethyl acetate		ND	0.50							
Ethylbenzene		ND	0.50							

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech, Inc.
Work Order: 1803414
Project: Patterson Street Solvent Greensboro, NC; TT-02-02

QC BATCH REPORT

Batch ID: R150422	Instrument ID VMS4	Method: ETO-15				
Freon 113		ND	0.50			
Freon 114		ND	0.50			
Heptane		ND	0.50			
Hexachlorobutadiene		ND	0.50			
Hexane		ND	0.50			
m,p-Xylene		ND	0.50			
Methylene chloride		ND	1.0			
MTBE		ND	0.50			
Naphthalene		ND	0.20			
o-Xylene		ND	0.50			
Propene		ND	0.50			
Styrene		ND	0.50			
Tetrachloroethene		ND	0.50			
Tetrahydrofuran		ND	0.50			
Toluene		ND	0.50			
trans-1,2-Dichloroethene		ND	0.50			
trans-1,3-Dichloropropene		ND	0.50			
Trichloroethene		ND	0.20			
Trichlorofluoromethane		ND	0.50			
Vinyl acetate		ND	0.50			
Vinyl chloride		ND	0.50			
<i>Surr: Bromofluorobenzene</i>	9.88	0	10	0	98.8	60-140
						0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech, Inc.
Work Order: 1803414
Project: Patterson Street Solvent Greensboro, NC; TT-02-02

QC BATCH REPORT

Batch ID: **R150422** Instrument ID **VMS4** Method: **ETO-15**

Ics	Sample ID	LCS-R150422		Units: ppbv			Analysis Date: 3/19/2018 10:20 AM			
Client ID:				Run ID: VMS4_180319A			SeqNo: 1713963	Prep Date:	DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	10.41	0.50	10	0	104	58.8-163		0		
1,1,2,2-Tetrachloroethane	10.77	0.50	10	0	108	60-140		0		
1,1,2-Trichloroethane	10.81	0.50	10	0	108	60-140		0		
1,1-Dichloroethane	11.13	0.50	10	0	111	60-140		0		
1,1-Dichloroethene	11.03	0.50	10	0	110	60-140		0		
1,2,4-Trichlorobenzene	8.33	0.50	10	0	83.3	49.3-150		0		
1,2,4-Trimethylbenzene	10.56	0.50	10	0	106	50.1-162		0		
1,2-Dibromoethane	10.7	0.50	10	0	107	60-140		0		
1,2-Dichlorobenzene	10.51	0.50	10	0	105	41.9-141		0		
1,2-Dichloroethane	11.05	0.50	10	0	110	60-140		0		
1,2-Dichloropropane	11.14	0.50	10	0	111	60-140		0		
1,3,5-Trimethylbenzene	10.53	0.50	10	0	105	60-140		0		
1,3-Butadiene	11.98	0.50	10	0	120	50.6-140		0		
1,3-Dichlorobenzene	10.35	0.50	10	0	104	60-140		0		
1,4-Dichlorobenzene	10.31	0.50	10	0	103	55.1-145		0		
1,4-Dioxane	9.22	1.0	10	0	92.2	60-140		0		
2-Butanone	11.4	0.50	10	0	114	60-140		0		
2-Hexanone	10.74	1.0	10	0	107	56.2-162		0		
2-Propanol	12.13	1.0	10	0	121	60-140		0		
4-Ethyltoluene	10.6	0.50	10	0	106	60-140		0		
4-Methyl-2-pentanone	11.57	1.0	10	0	116	60-140		0		
Acetone	11.25	1.0	10	0	112	60-140		0		
Benzene	10.93	0.50	10	0	109	60-140		0		
Benzyl chloride	11.09	0.50	10	0	111	31.9-174		0		
Bromodichloromethane	10.75	0.50	10	0	108	60-140		0		
Bromoform	10.4	0.50	10	0	104	60-140		0		
Bromomethane	10.23	0.50	10	0	102	60-140		0		
Carbon disulfide	10.95	0.50	10	0	110	60-140		0		
Carbon tetrachloride	10.55	0.50	10	0	106	60-140		0		
Chlorobenzene	10.24	0.50	10	0	102	60-140		0		
Chloroethane	11.5	0.50	10	0	115	60-140		0		
Chloroform	10.64	0.20	10	0	106	60-140		0		
Chloromethane	11.86	0.50	10	0	119	60-140		0		
cis-1,2-Dichloroethene	11.42	0.50	10	0	114	60-140		0		
cis-1,3-Dichloropropene	11.14	0.50	10	0	111	60-140		0		
Cumene	10.4	0.50	10	0	104	60-140		0		
Cyclohexane	11.19	0.50	10	0	112	60-140		0		
Dibromochloromethane	10.7	0.50	10	0	107	60-140		0		
Dichlorodifluoromethane	10.16	0.50	10	0	102	60-140		0		
Ethyl acetate	11.42	0.50	10	0	114	60-140		0		
Ethylbenzene	10.5	0.50	10	0	105	60-140		0		
Freon 113	10.45	0.50	10	0	104	60-140		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech, Inc.
Work Order: 1803414
Project: Patterson Street Solvent Greensboro, NC; TT-02-02

QC BATCH REPORT

Batch ID: R150422	Instrument ID VMS4	Method: ETO-15					
Freon 114	10.65	0.50	10	0	106	60-140	0
Heptane	12.25	0.50	10	0	122	60-140	0
Hexachlorobutadiene	8.39	0.50	10	0	83.9	60-140	0
Hexane	11.34	0.50	10	0	113	60-140	0
m,p-Xylene	21.17	0.50	20	0	106	60-140	0
Methylene chloride	10.22	1.0	10	0	102	60-140	0
MTBE	11.07	0.50	10	0	111	60.8-151	0
Naphthalene	8.2	0.20	10	0	82	53.1-152	0
o-Xylene	10.52	0.50	10	0	105	60-140	0
Propene	11.56	0.50	10	0	116	34.4-139	0
Styrene	10.68	0.50	10	0	107	60-140	0
Tetrachloroethene	10.18	0.50	10	0	102	60-140	0
Tetrahydrofuran	12.56	0.50	10	0	126	60-140	0
Toluene	10.87	0.50	10	0	109	60-140	0
trans-1,2-Dichloroethene	9.84	0.50	10	0	98.4	60-140	0
trans-1,3-Dichloropropene	10.57	0.50	10	0	106	60-140	0
Trichloroethene	10.48	0.20	10	0	105	60-140	0
Trichlorofluoromethane	10.34	0.50	10	0	103	60-140	0
Vinyl acetate	12.95	0.50	10	0	130	48.4-145	0
Vinyl chloride	11.96	0.50	10	0	120	60-140	0
<i>Surr: Bromofluorobenzene</i>	10.04	0	10	0	100	60-140	0

The following samples were analyzed in this batch:

1803414-01A	1803414-02A	1803414-03A
1803414-04A	1803414-05A	1803414-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech, Inc.
Work Order: 1803414
Project: Patterson Street Solvent Greensboro, NC; TT-02-02

QC BATCH REPORT

Batch ID: R150499 Instrument ID VMS4 Method: ETO-15

MBLK Sample ID MBLK-R150499				Units: ppbv			Analysis Date: 3/20/2018 04:12 PM			
Client ID:		Run ID: VMS4_180320A		SeqNo: 1715509		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetone	ND	1.0								
<i>Surr: Bromofluorobenzene</i>	9.82	0	10	0	98.2	60-140		0		

Ics Sample ID LCS-R150499				Units: ppbv			Analysis Date: 3/20/2018 03:29 PM			
Client ID:		Run ID: VMS4_180320A		SeqNo: 1715511		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetone	12.07	1.0	10	0	121	60-140		0		
<i>Surr: Bromofluorobenzene</i>	10.32	0	10	0	103	60-140		0		

The following samples were analyzed in this batch: 1803414-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech, Inc.
Project: Patterson Street Solvent Greensboro, NC; TT-02-025
WorkOrder: 1803414

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
$\mu\text{g m}^{-3}$	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: TETRATECH-DULUTH

Date/Time Received: 12-Mar-18 12:05

Work Order: 1803414

Received by: RDN

Checklist completed by Jan Wilcox

eSignature

12-Mar-18

Date

Shawn Smythe

eSignature

13-Mar-18

Date

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):

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Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by: _____

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

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CorrectiveAction:

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